# Creel Census and Biological Data from the Lake Trout Sport Fishery on Great Bear and Great Slave Lakes, Northwest Territories, 1977-78

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by

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## ABSTRACT

Moshenko, R.W., and D.V. Gillman. 1983. Creel Census and biological data from the lake trout sport fishery on Great Bear and Great Slave lakes, Northwest Territories, 1977-78. Can. Data Rep. Fish. Aquat. Sci. 389: vi + 73 p.

Results of information collected from a creel census and a biological sampling program conducted at four sport fishing lodges on Great Bear and Great Slave lakes in 1977 and 1978 are presented in tabular and graphic form and briefly described. Creel census data includes catch, catch/effort and harvest statistics. Biological information includes length, weight, age, sex, maturity, length and weight conversions, and diet and movements of lake trout, Salvelinus namaycush (Walbaum).

Key words: angling; catch/effort; exploitation; fishery management; gillnetting; life history; monitoring; sport fishery; Salvelinus namaycush.

## RESUME

Moshenko, R.W., and D.V. Gillman. 1983. Creel Census and biological data from the lake trout sport fishery on Great Beat and Great Slave lakes, Northwest Territories, 1977-78. Can. Data Rep. Fish. Aquat. Sci. 389: vi + 73 p.

Les résultats du recensement et de l'échantillonnage biologique, effectués en 1977 et en 1978 auprés de quatre pavillons de pêche sportive sur les lacs Great Bear et Great Slave, sont brièvement décrits et présentés sous forme de tableaux et de graphiques. Les données du recensement portent sur les prises et le rapport prises/effort, et la récolte et celles de l'échantillonnage biologique sur la longueur, le poids, l'âge, le sexe, le degré de maturité, le régime alimentaire et les mouvements des touladis, Salvelinus namaycush (Walbaum), ainsi que sur les conversions de longueur et de poids.

Mots-clés: pêche à la ligne; prises/effort; exploitation; gestion des pêches; pêche aux filets maillants; cycle évolutif; contrôle; pêche sportive; Salvelinus namaycush.

## INTRODUCTION

Studies have been carried out, by the Department of Fisheries and Oceans (DFO), on the lake trout sport fisheries of Great Bear and Great Slave lakes since 1972. The creel census and biological sampling programs are intended to provide information on the sport fishery harvest and on the life history of lake trout, Salvelinus namaycush (Walbaum), in order to effectively manage these fisheries. During the period 1972 to 1974, fisheries at all major lodges (Fig. 1) were studied annually (Falk et al. 1973, 1974a, b, 1975). As a result of baseline data obtained from these intensive studies, the program was modified in 1975 whereby sport fisheries at the lodges were monitored on a rotational basis (one lodge/lake/year) such that each lodge on Great Bear and Great Slave was studied at least once over a five-year period (Moshenko and Gillman 1978a). In addition, the program was expanded in 1977 to include experimental gillnetting and tagging at the lodge areas under study.

This report presents the results of the program undertaken in 1977 and 1978 at four lodges on Great Bear and Great Slave lakes. Additional data is provided on weight and length conversions and diet of lake trout, and on movement patterns of lake trout tagged between 1973-77 at Taltheilei Narrows on Great Slave Lake.

## MATERIALS AND METHODS

### STUDY AREA

The creel census and biological investigations were carried out in 1977 at Plummer's Great Bear Lake and Great Slave Lake lodges and in 1978 at Branson's Lodge on Great Bear Lake and Arctic Star Lodge on Great Slave Lake (Fig. 1). Figures 2 to 5 indicate the specific location of the four lodges studied and the principal areas fished for lake trout. The potential fishing area is based on a guideline adopted by the Tourism Department of the Northwest Territories Government of 4.0 kilometers (2.5 miles) of shoreline per guest bed. The principal area fished is based on observations by DFO personnel stationed at the locations and represents fishing areas frequently used by the angler-guests throughout the entire season. Additional areas are utilized by fishermen at most locations on an intermittent basis.

### LODGE OPERATIONS

Details concerning the operation of sport fishing lodges on Great Bear and Great Slave lakes have been covered in previous reports by Falk et al. (1973, 1974a), and Moshenko and Gillman (1978a). The lodges tend to be large isolated sport fishing establishments which cater mainly to anglers from the United States. Lake trout angling provides the major attraction but some lodges also offer fishing for Arctic grayling, Thymallus arcticus (Pallus), northern pike, Esox lucius Linnaeus, and walleye, Stizostedion vitreum (Mitchill) as well as side trips to the Arctic coast for anadromous Arctic charr, Salvelinus alpinus (Linnaeus). The usual length of stay is one week and guests are rotated on or near the weekend. With the exception of rotation days and depending on the weather, angler-guests typically spend from early morning to late afternoon fishing. They usually fish two per boat and are under the direction of a guide.

### CREEL CENSUS STUDY

#### Interview procedure

Information pertaining to the methods employed by census workers has been described previously by Falk et al. (1973, 1974a) and Moshenko and Gillman (1978a). Upon returning from a day's fishing as many anglers as possible were questioned as to the number of fish caught, released, retained and used for shore lunches, by species, as well as the hours and location fished.

The census worker also recorded the number of anglers not interviewed and/or those not fishing on a daily basis and the total number of anglers present at the lodge on a weekly basis.

Two census record forms were used by field personnel (Moshenko and Gillman 1978a). These were: i) a catch record form on which catch, effort and location information was recorded by species for each angler interviewed, and ii) a summary form on which catch, effort, sample and location information was recorded by species on a daily and weekly basis.

On-site or creel surveys may often be subject to interview and response biases. Sinclair and Morley (1975) describe a corrective procedure; however, in our studies the likelihood of these biases occurring is minimized by providing on-site staff training and by using standardized interview procedures. The "length of stay" and "frequency of use" biases are non-applicable due to the type of lodge operation.

#### Lake trout harvest

Procedures followed in calculating the total harvest of lake trout from individual lodges have been outlined in detail by Falk et al. (1974a). During the 1975 field season the methods employed by the creel census workers and the procedures for calculating the harvest of lake trout in 1974 were modified and refined to the point where a high degree of accuracy may be expected. In addition, a substantial data base has been collected on which estimations or predictions can be made. Yields per surface area for the lodges were calculated by dividing the total harvest by both the potential area available and the area principally fished. The definitions and explanations given below will be useful in interpreting data outlined in the Results and Appendices.

Number caught: This is the number of fish caught by anglers and includes fish taken for use in shore lunches.

Number retained: This is the number of fish brought back to the lodge by anglers but does not include fish taken for use in shore lunches.

Retained catch: For the lodges censused during 1977 and 1978 the number of lake trout retained by anglers was calculated in three stages: first by considering the number of days worked during the census period and the actual number of anglers interviewed; second by the total number of interviews possible during the census period (i.e., including anglers not interviewed and days not worked), and finally by extrapolating to include portions of the angling season not censused. The weight of the retained catch was subsequently obtained by multiplying this number by the average weight of lake trout sampled.

The number of fish retained includes trophy lake trout, and those to be filleted, to be dressed for "bakers" or, at some lodges, smoked and/or steaked. The portion of the retained catch sampled for biological data usually excludes the trophy fish. These trophy lake trout, usually greater than 7 kilograms (15 pounds) and destined for taxidermy purposes, up until 1976, were often not available for length and weight measurements. Therefore, the average length and weight of the sampled catch is often biased toward the smaller fish. During 1977 and 1978 a large portion of these trophy fish were sampled at all locations (except Plummer's Great Bear Lodge) to avoid this bias and allow analysis of the total retained catch.

Shorelunches: In addition to the number of lake trout retained by anglers, fish are also taken for use in shore lunches. The method of calculation was similar to that followed for determining the retained catch. The number of trout taken for shore lunches was calculated first by considering the number of angler-interviews; second by including the total number of interviews possible during the census period and finally by extrapolating to include the portion of the season not censused. The weight of trout used in the shore lunches was subsequently obtained by multiplying this number by the average weight of the lake trout sampled.

Release mortality: Through a catch-release study carried out in the vicinity of Great Slave Lodge during June 1973 it was found that 7.0% of lake trout caught on treble hooks died after being held for four days (Falk et al. 1974c). This percentage was applied to the number of trout released over the season to estimate the number which would probably die as a result of hook or handling damage.

The total harvest is an estimate arrived at by summing the retained harvest catch, shore lunches and release mortality.

Trophy lake trout: Trophy fish had not been previously sampled in creel operations (with the exception of Great Bear Trophy Lodge in 1976). To allow accurate comparison to previous samples, analysis was conducted on the 1977 and 1978 creel samples with and without trophy fish included. Harvest rates were calculated excluding trophy fish weights; figures and tables using mean weights are noted when both calculation values are present. Harvest estimates calculated with trophy fish excluded are conservative as the average weight of lake trout sampled is lower resulting in a decreased total harvest value. However, by employing consistant methodology it is possible to monitor the harvest with a relatively high degree of accuracy and to determine if regulation changes are effective in reducing the harvest of lake trout.

Moshenko and Gillman (1978a) summarized all available creel census data for the sport fishing lodges on Great Bear and Great Slave lakes through to 1976. Information collected at the four locations sampled during 1977 and 1978 have been included in the updated summary (Table 8).

## BIOLOGICAL INVESTIGATION

### Fish sampling

Prior to 1977 biological information was gathered solely from sampling of a random portion of the angler's daily retained catch. However, from 1977 on this was augmented with sampling of lake trout from experimental netting, from tagging (live sample-length and weight only) and from trophy fish both at the lodges and at a taxidermy shops. One particular taxidermy shop, which processes many of the trophy lake trout from both lakes, co-operated by providing length, weight and otoliths (for aging) on trophy lake trout taken at the lodges under study.

Fish were sampled for fork length (±5 mm), total weight (±25 g), sex and maturity. The relative stage of maturity was determined by examination of the gonads and coded by reference to a scale as follows:

| Sex F | Sex M | Maturity stage | Description of gonads |
|---|---|---|---|
| I | 6 | immature | - virgin fish, gonad thin and threadlike, often incomplete |
| 2 | 7 | maturing | - virgin or non-virgin fish not spawning in current year, gonad full length, firm, eggs of small size, gonads partially filling body cavity |
| 3 | 8 | mature | - fish spawning in current year, gonad full size filling body cavity, eggs prominent, full size |
| 4 | 9 | ripe | - mature fish in spawning condition, eggs translucent, milt or eggs expelled under slight pressure |
| 5 | 10 | spent | - mature fish completed spawning, gonads collapsed with ruptured blood vessels prominent |

Otoliths were obtained for aging purposes from the majority of the sampled lake trout by splitting the skull and locating the sagittal otolith with forceps. They were stored dry in envelopes marked with the sample information.

Experimental netting

Gill nets (38 mm stretched mesh) were set at all lodge areas (except Plummer's Great Bear) from late June to early September. These small mesh nets, which tend to entangle trout by their teeth rather than the gill areas, were used to facilitate live-capture and reduce netting mortality. Dead fish were sampled while live fish were retained for tagging and released.

Weight and length conversions

A weight conversion study was carried out in 1977 at Plummer's Great Bear and Great Slave lodges to obtain information for conversions factors from the forms (i.e. fillets) currently used by anglers to round (total) weights. DFO personnel stationed at the lodge first obtained a round weight (±25 g) prior to the filleting of the fish by lodge guides. The carcass was then weighed to obtain the percentage of trout utilized as fillets. Similar methods were employed to obtain data on the conversion of round weight to dressed (gills and viscera removed) and dressed-headless (head, gills and viscera removed) forms. Samples from the lodges for these conversions were augmented from trout caught in the experimental gill nets. Here, filleting etc. was done by DFO personnel, using the technique of the lodge guides.

During 1978, lake trout were sampled at both lodges for fork, standard and total length (±1 mm). Lagler (1956) defined these as follows: 1) fork length is measured from anterior most extremity (tip of the snout or the upper lip) to the notch in the tail fin; 2) standard length is measured from the anterior extremity to the end of the vertebral column or caudal (tail) base, and 3) total length is measured as the greatest possible length with mouth closed and caudal (tail) rays squeezed together to give the maximum over-all measurement.

Diet

Gross examination of lake trout stomachs was conducted during 1978. Contents were identified under four major categories: fish (species if possible), invertebrates (e.g. amphipods), insects (order) and other material (vegetable or undigestible matter i.e. gravel).

Tagging

Lake trout live-captured by gill nets (mostly 38 mm mesh) were sampled for length (and weight when possible) and tagged using a Dennison tagging gun and blue plastic Floy tags. The majority of fish were released immediately after tagging, however, some were held in cages for a 24 h period to observe the effects of gillnetting and tag application. Equipment and methods were similar to those employed in 1973 (Falk et al. 1974c). Lake trout were tagged at Plummer's Great Slave Lodge (N=512), Branson's Lodge (N=203) and Arctic Star Lodge (N=505).

Aging and data analysis

In the laboratory the convex surface of the otolith was ground on a fine carborundum stone to expose the annual growth zones. The otolith was then immersed in a 3:1 solution of benzylbenzoate and methyl salicylate on a depression slide and read under a dissecting microscope.

Annual mortality rates (natural and fishing) were calculated using the method (all ages known) outlined by Robson and Chapman (1961). The total annual mortality is defined as the number of fish which die during a year, divided by the initial number (Ricker 1975). Thus, if the mortality rate was 20%, then among the larger fish beyond the age where they are fully vulnerable to the fishery, of every 100 fish alive at a given timne, 20 are expected to die during the next year. The right hand descending portion of a catch curve may be used to estimate annual mortality rates if the following assumptions can be met:

i) constant survival or mortality rates over the range of age-classes, and with time;
ii) constant year-class strength (even recruitment), and
iii) all fish beyond some age are equally vulnerable to the harvesting gear.

Ricker (1975) indicates that the modal age in the catch curve will commonly lie quite close to the first year in which recruitment can be considered effectively complete. Recruitment is defined as the addition of new fish to the vulnerable population by growth from among smaller size categories. In our particular case with lake trout, probably one unusable age-class intervenes between the first usable age and modal age (or second of two nearly-equal ages). When annual mortality is moderate or small (50% or less), at the beginning of recruitment at least, there are usually two adjacent ages having the same number of fish, with the mode falling sometimes at the median age of recruitment, sometimes in the next older age. In our calculations, we first selected the modal age-class from the catch curve and then chose the next older age-class to be sure that all fish beyond this age are at the age of effectively complete recruitment and fully susceptible to the gear. Ricker (1975) further states that deviations from the basic assumptions stated above often result in a non-linear right limb of the catch curve, especially from fluctuations in recruitment from one year class to the next. With our data, a small sample size considering the large age span may also be a contributing factor to the very irregular appearance of some of the catch curves. It is very difficult to accept estimates when this irregular distribution of data is used. To avoid this irregularity from unstable recruitment, samples from successive years may be combined (Ricker 1975). Due to our rotational monitoring, data from successive years is unavailable. Instead, Falk et al. (1974b) used a "moving mean" (average of two successive age-classes) to smoothen out the irregularities of the frequency distribution at age-classes in the right hand descending limb of the catch curve. Annual mortality rates were calculated using both the actual or irregular frequency data, and the moving means.

The length-weight relationships were determined by the following power equation:

$\log_{10} W = a + b (\log_{10} L)$;
where W = total weight in grams
a = Y-intercept
b = slope of the regression line
L = fork length in millimeters

The condition factors (K) were calculated from the formula

$$K = \frac{W \times 10^5}{L^3}$$

The K-values indicate a relative measure of robustness, plumpness or fatness of the fish.

Data collected during the study were analyzed using a programmable calculator (Hewlett-Packard model 9810-A) and computer facilities based at the University of Manitoba.

## RESULTS

### CREEL CENSUS

Summary results from the 1977 and 1978 creel census on Great Bear and Great Slave lakes are presented in Tables 1 to 5. A brief comparison of results from 1971 to 1978, illustrating number of anglers, number of lake trout caught per angler-hour, harvest per angler and total season harvest is shown in Table 6. Table 7 gives sport fishing license sales for all lodges on these two lakes for 1977 and 1978.

The number of lake trout retained per angler-day is more a reflection of lodge policy rather than a direct relation to angler success (catch per angler-hour). Mean size of lake trout retained (for both lakes) prior to 1977 was 2.9 kg (Moshenko and Gillman 1978a), however, those retained in 1977 and 1978 were slightly larger with an average of 3.8 kg for Great Bear and 3.3 kg for Great Slave. Generally, at the four lodges studied, catch per angler-hour since 1973 was variable (0.93 to 0.32); however, even though the mean size of fish retained was larger in 1977 and 1978 the total harvest per angler in these years is significantly lower than previously for most of the four lodges (Table 6). Thus, anglers are releasing more and retaining fewer but larger lake trout. A fish conservation poster has been designed to promote proper handling and release of angled fish to reduce release mortality (Fig. 16).

On Great Bear Lake, both Branson's Lodge and Plummer's Great Bear Lake Lodge, in comparison to previous years, had in 1977 and 1978 a lower angler success (catch per angler-hour) and a much lower harvest per angler and total season harvest. However, on Great Slave Lake, both Arctic Star Lodge and Plummer's Great Slave Lake Lodge, in comparison to previous years, had in 1977 and 1978 a much higher angler success and a slightly higher (Plummer's Great Slave Lake Lodge) and slightly lower (Arctic Star Lodge) harvest per angler. Both lodges on Great Slave Lake showed a much higher harvest in comparison to 1974, primarily due to increased number of angler-guests. Note that the fishery at Arctic Star Lodge has been studied, when operating near maximum guest capacity, only in 1978, thus, a further study should be carried out before any deduction are made regarding the status of this fishery.

### BIOLOGICAL INVESTIGATION

Biological data on lake trout sampled from four lodges on Great Bear and Great Slave lakes during 1977 and 1978 is provided by length interval in Tables 9-34 and by age interval in Tables 36-48. Table 50 gives a summary of lake trout data from creel sampling at these four lodges from 1972 to 1978.

#### Length-frequency distribution

Figures 6 to 9 illustrate the length-frequency distribution for lake trout from lodges studied during 1977 and 1978 in comparison to previous data. Mean fork length values for lake trout at the four lodges in 1977 and 1978 and in previous years have remained relatively unchanged (within the lodge areas).

#### Length-weight distribution

Details on the logarithmic relationships of length-weight for the 1977 and 1978 data and for previous years for the four lodges are given in Table 35.

#### Age, growth and maturity

Distribution of age frequencies are illustrated in Fig. 10 to 13 and summarized in Table 50. Data from creel sampled lake trout indicate relatively stable mean ages at both lodges on Great Bear (23.0-26.8 yr) and especially at Plummer's Great Slave Lake Lodge (16.1-17.7 yr).

Details on the growth in length and weight by age are provided in Tables 36-48.

Table 50 indicates mean length and weight of sampled trophy lake trout at the four lodges. Mean values for Great Bear lodges were: length (982 and 1 038 mm) and weight (11 532 and 12 979 g) and for Great Slave lodges were: length (887 and 967) and weight (9 721 and 10 969).

Catch curves are presented in Fig. 14. Table 49 provides the annual mortality rates. Trout at the four lodges had mortality rates of 17.0-20.5%, high in most cases when compared to the data from the earlier 1970's.

Sexual maturity was first reached at age 18 (578 mm; 2560 g) at Plummer's Great Bear Lake Lodge, age 20 (553 mm, 1900 g) at Branson's Lodge, age 12 (499 mm; 1493 g) at Plummer's Great Slave Lake Lodge, and age 14 (465 mm; 1227 g) at Arctic Star Lodge. Lake trout on Great Slave attained sexual maturity 4 to 5 years earlier and at a smaller size than on Great Bear Lake.

Weight and length conversions

Table 51 indicates weight conversion values from round (whole) weight to headless dressed to fillet form. Conversions from 250 fish showed 41% and 39% flesh on retained fillet and 1.70 and 1.64 conversion factor (fillet to round form) for Great Bear and Great Slave respectively. Falk et al. (1973) obtained similar values of 40% retained on 66 lake trout from Great Bear Lake during 1972. Keleher (1964) found dressed (head-on) lake trout from Great Slave Lake with mean values of 82.5% retained flesh on fillet with a conversion factor of 1.21 and dressed (headless) trout values of 68.9% retained flesh on fillet with a conversion factor of 1.53. These values agree favourably with our 1977 results. However, Kennedy (1950) gave conversion factors of 1.20 for dressed (head-on) and 1.66 for dressed (headless).

Table 52 shows a comparison of standard, total and fork length for lake trout from the two lakes.

Diet

Table 53 presents the food items found in 956 lake trout stomachs on Great Bear and Great Slave lakes. Both fish remains, especially lake cisco, Coregonus artedii, and insect remains were the most important foods. However, on Great Bear Lake at least three trout (1%) indicated cannibalism. Johnson (1975) indicated a cannibalism evidence of 2.8% during his 1963-65 study here.

Movements

Data on 63 recaptured lake trout that were tagged in the vicinity of Plummer's Great Slave Lake Lodge, at Taltheilei Narrows, are presented in Table 54 and summarized in Fig. 15. Most fish were recaptured within 5 km of the site of tagging, however, several were recaptured in the Reliance area (136 km) and westward to Matonabee Point (140 km) and Sulphur Point (268 km).

ACKNOWLEDGMENTS

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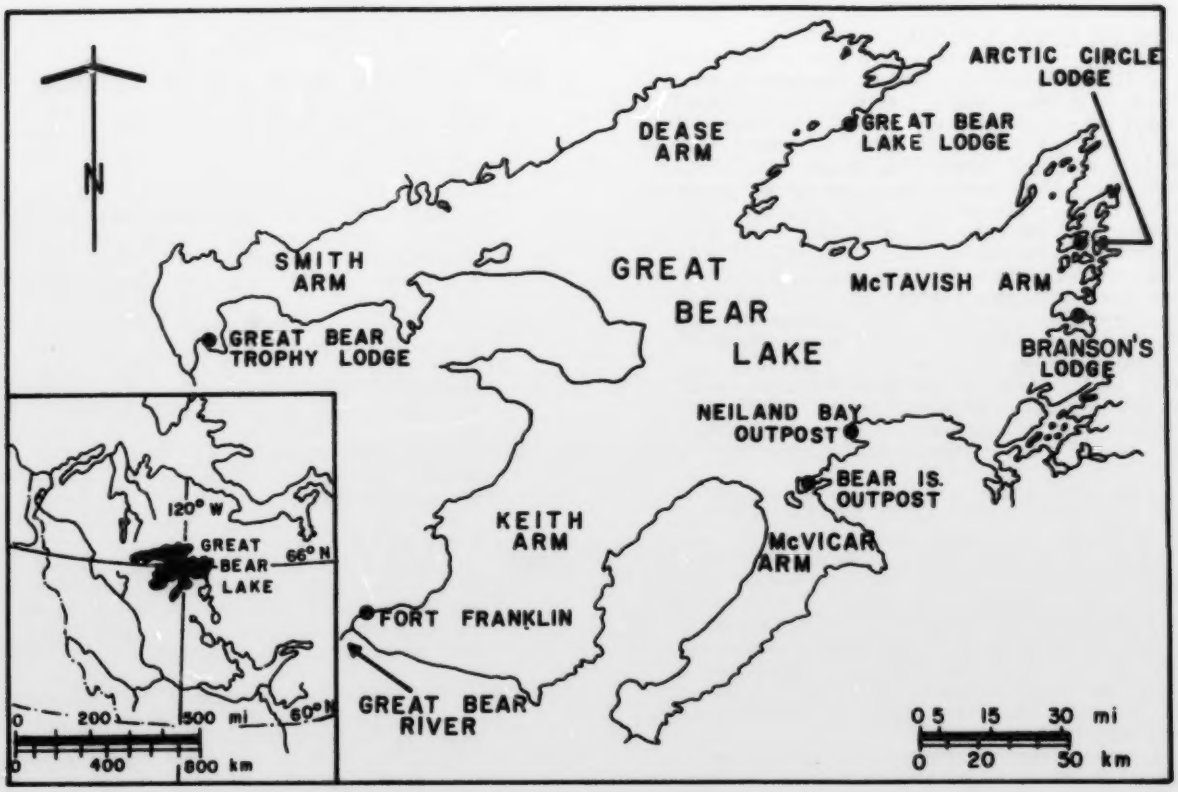


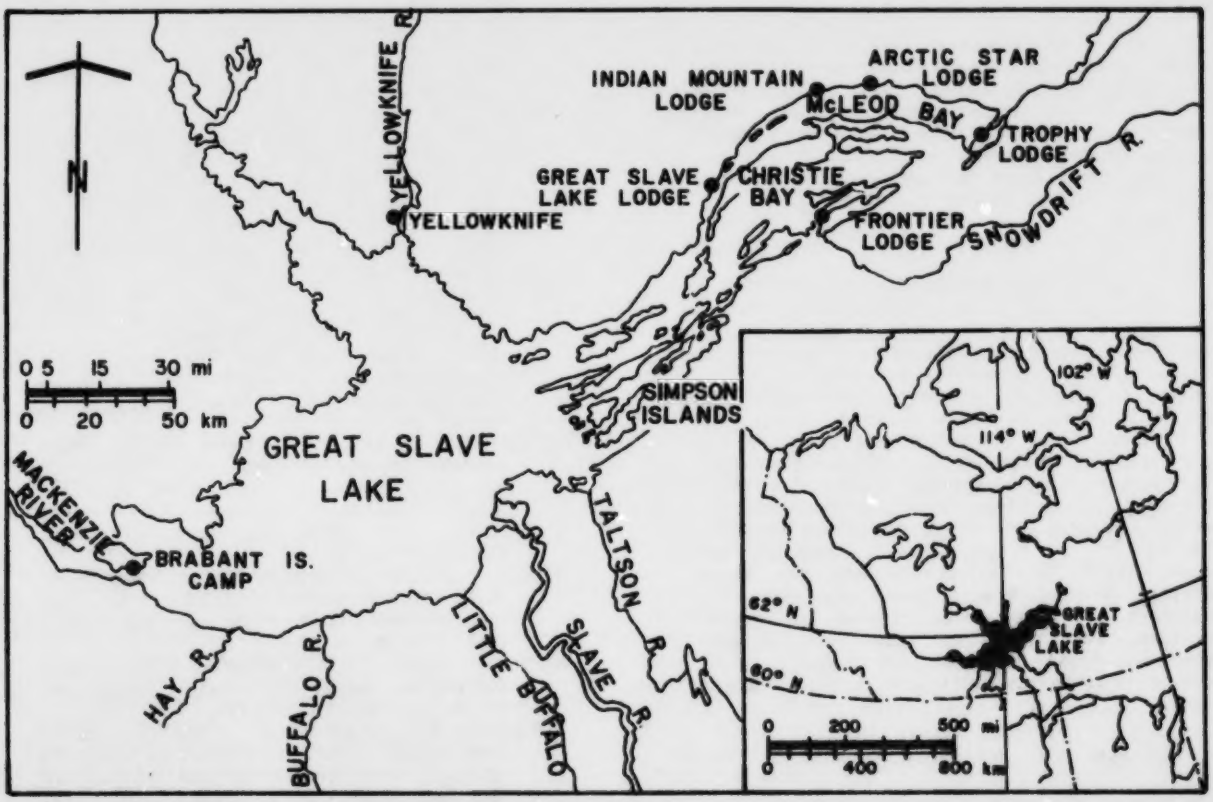


Fig. 1. Map of Great Bear Lake and Great Slave Lake showing the location of sport fishing lodges.

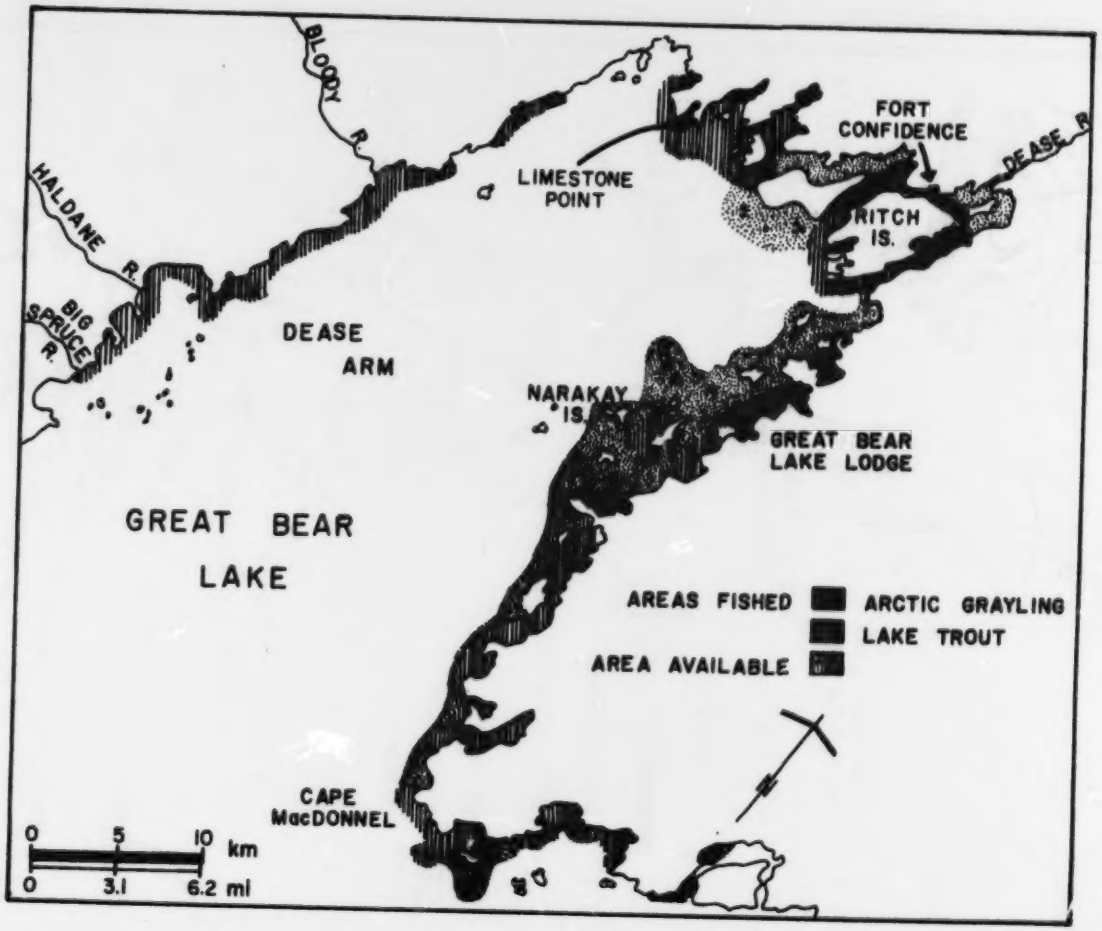


Fig. 2. Location of Plummer's Great Bear Lake Lodge showing the areas fished.

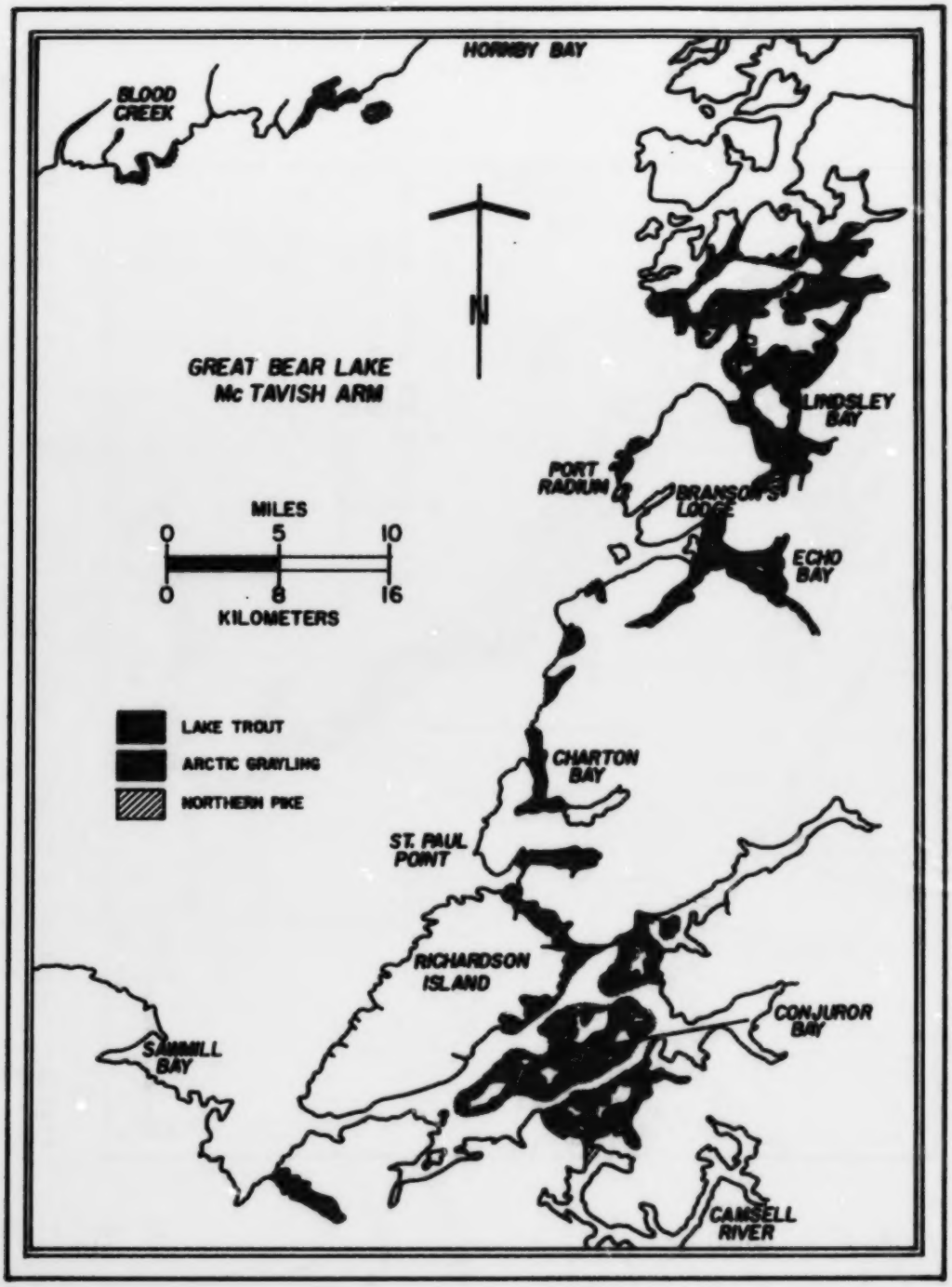


Fig. 3. Location of Branson's Lodge showing the areas fished.

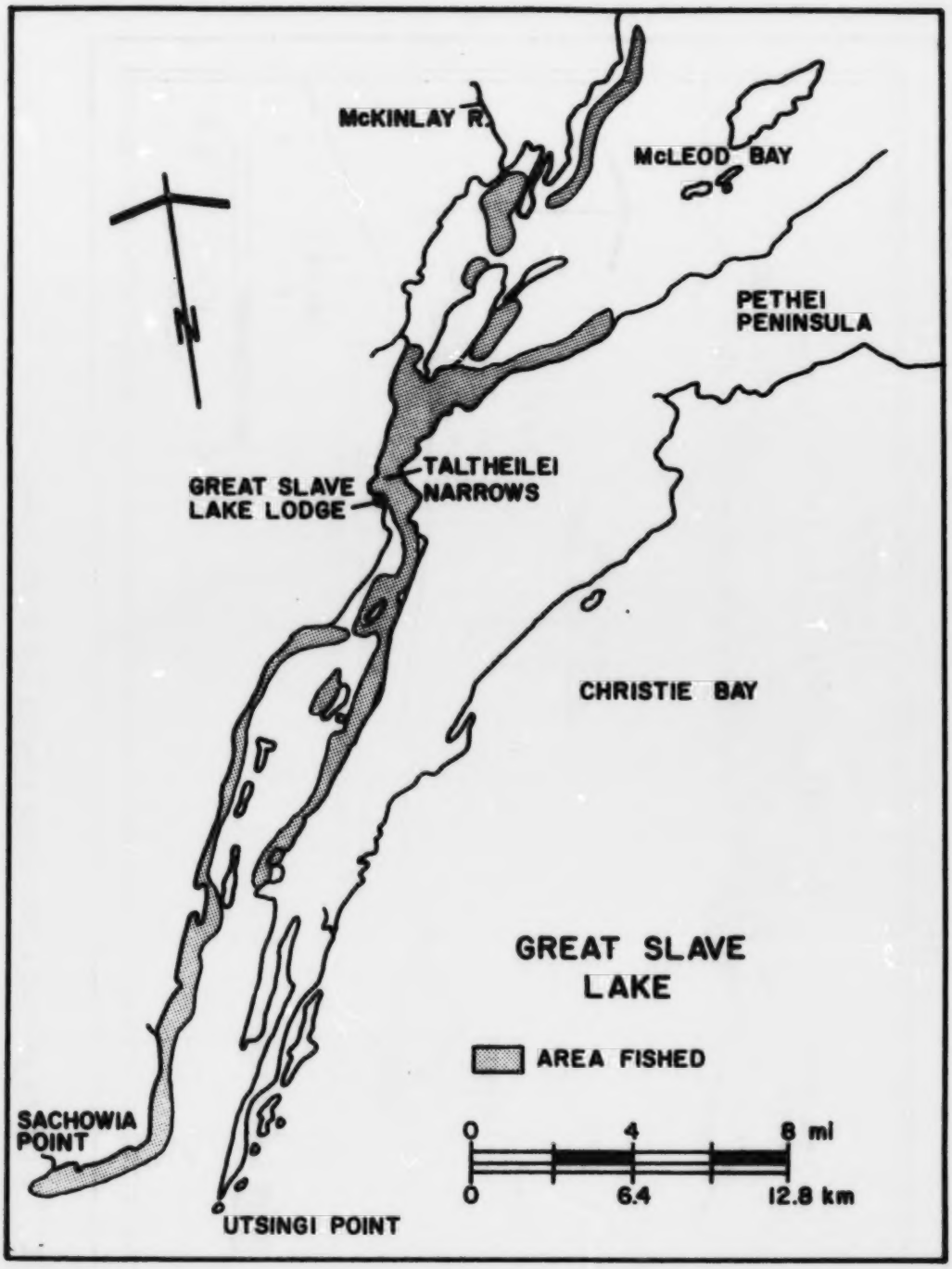


Fig. 4. Location of Plummer's Great Slave Lake Lodge showing the areas fished.

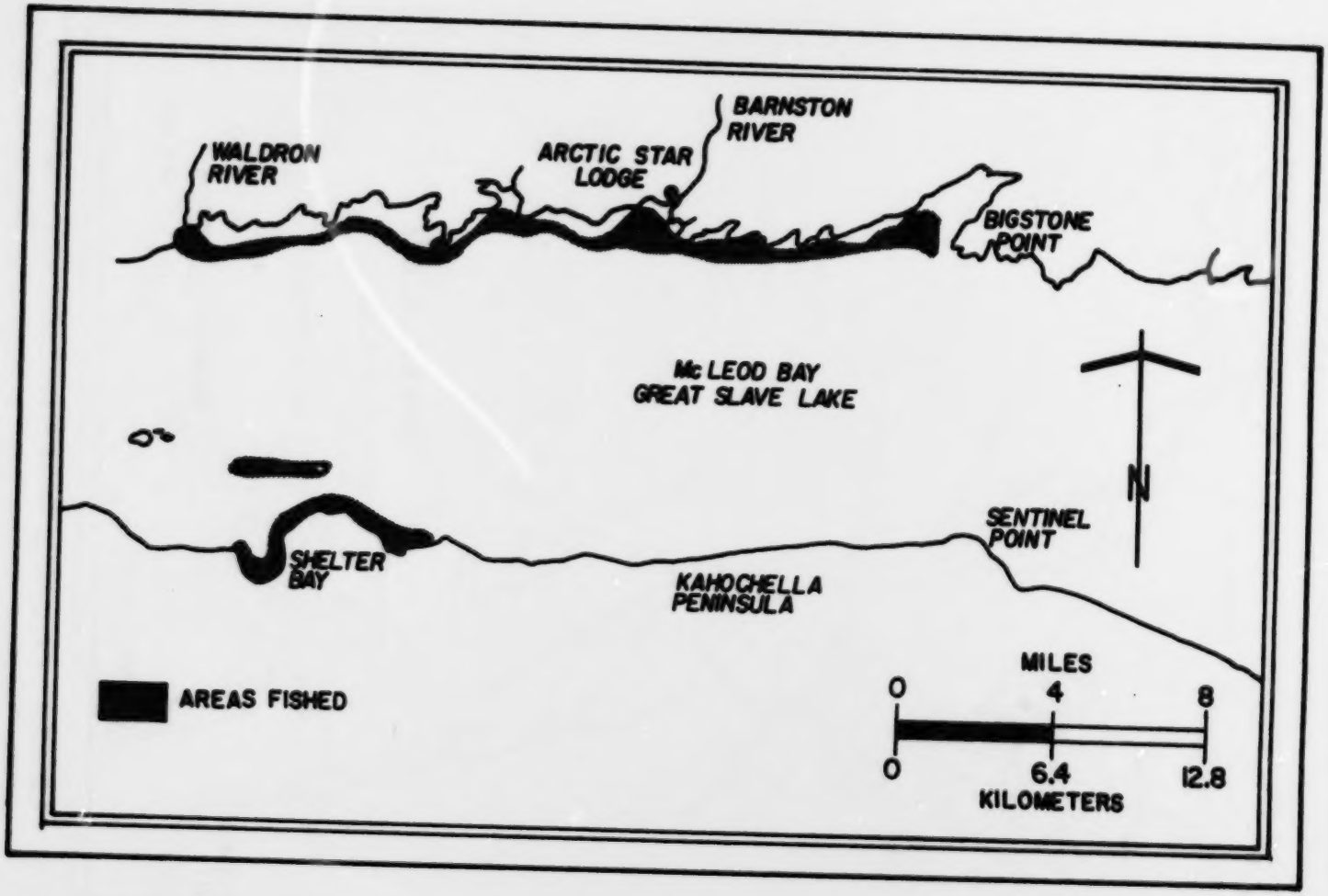


Fig. 5. Location of Arctic Star Lodge showing the areas fished.

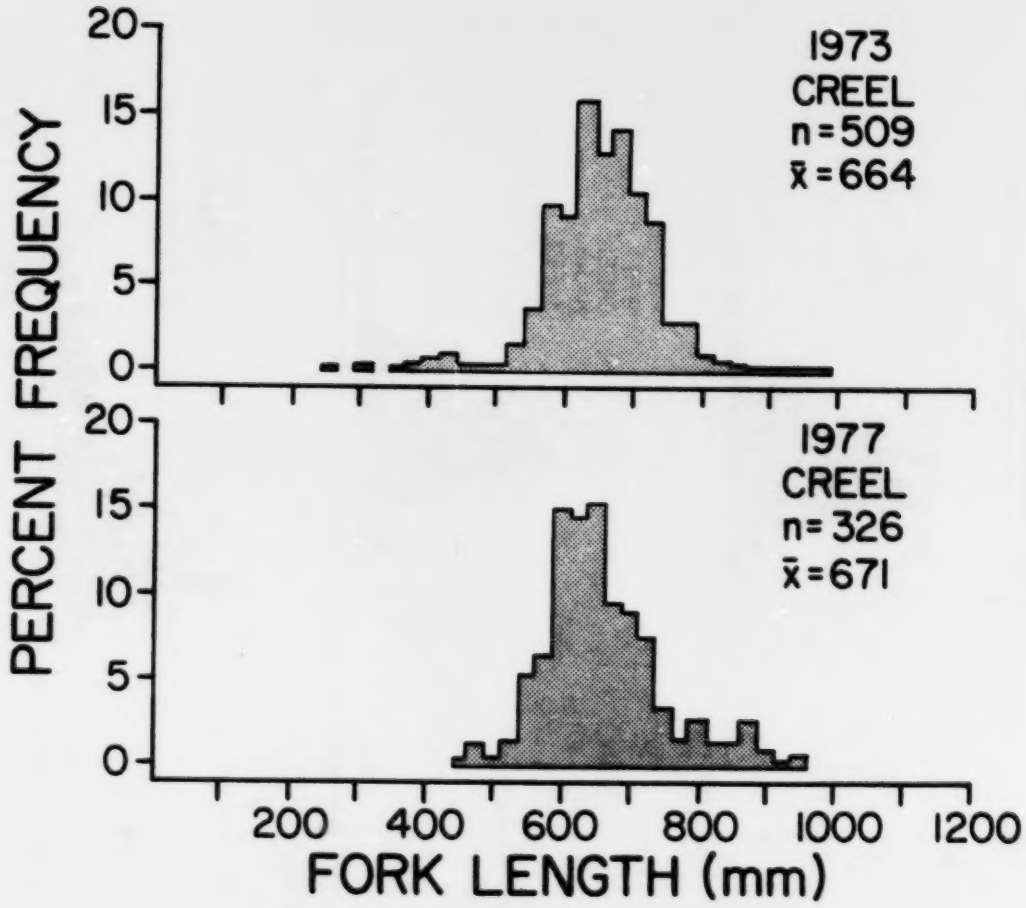


Fig. 6. Length-frequency distribution for lake trout from Plummer's Great Bear Lake Lodge. Data for 1973 from Falk et al. (1974c).

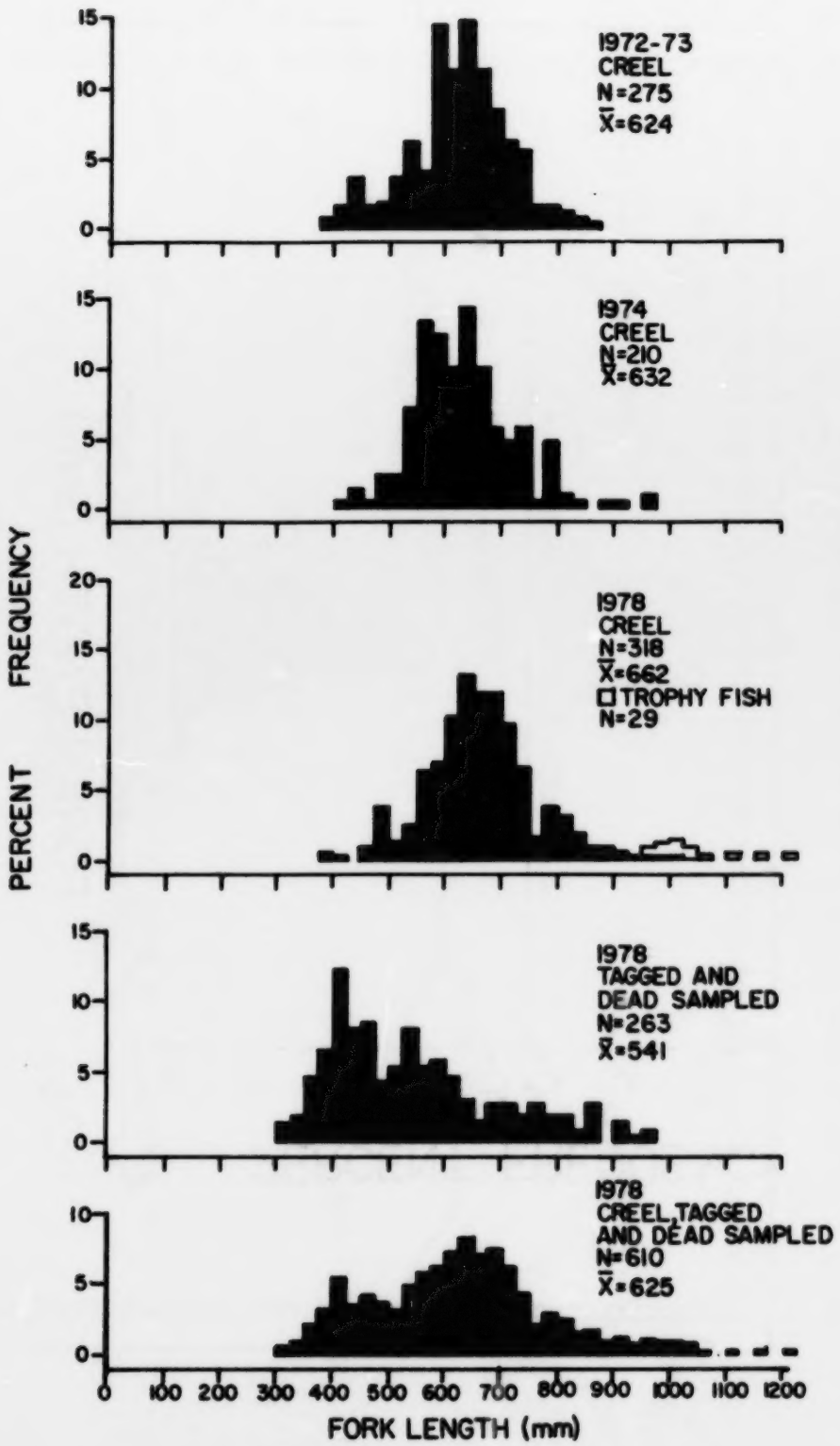


Fig. 7. Length-frequency distribution for lake trout from Branson's Lodge. Data for 1972-73 and 1974 from Falk et al. (1974c) and Moshenko and Gillman (1978b), respectively.

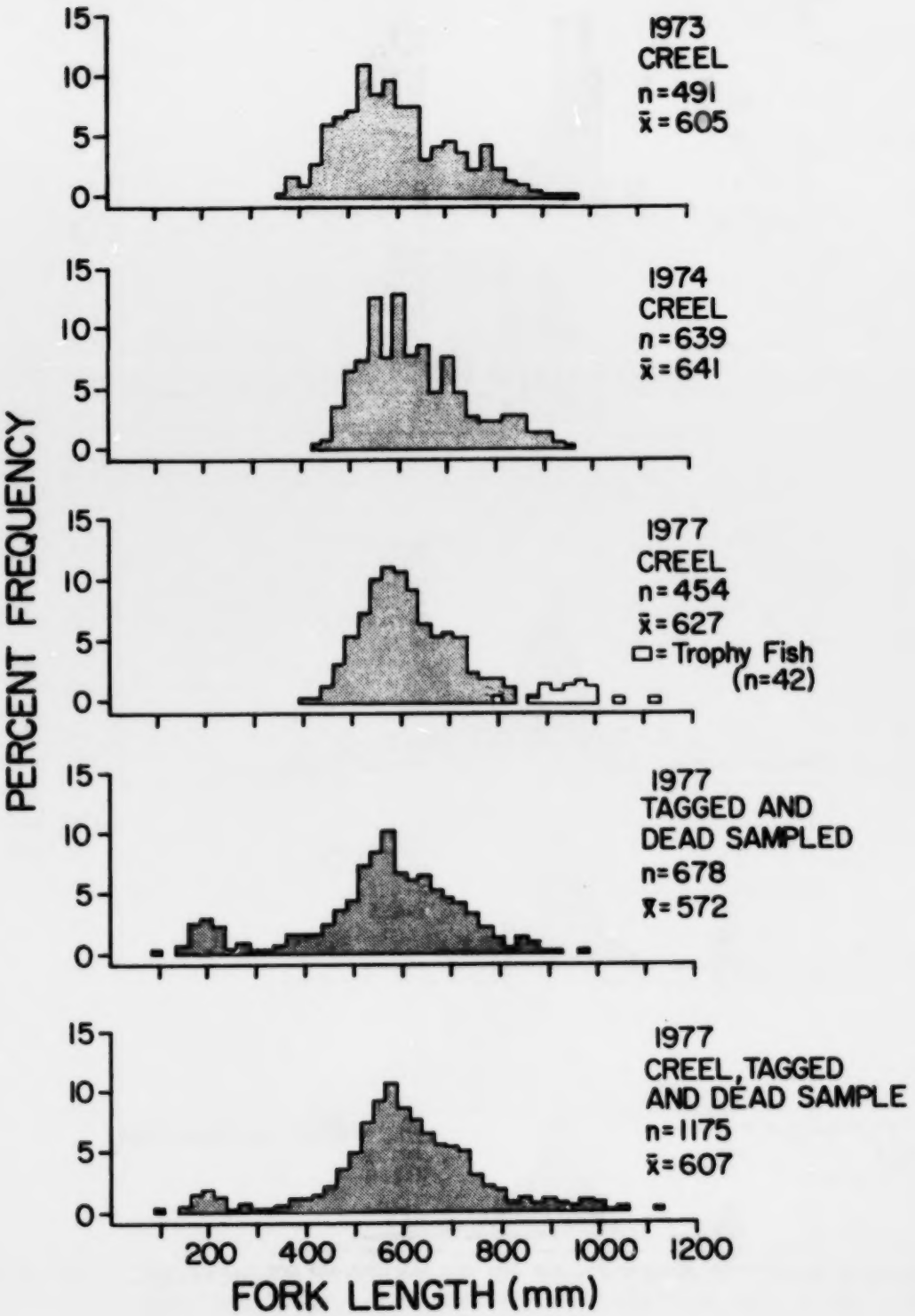


Fig. 8. Length-frequency distribution for lake trout from Plummer's Great Slave Lake Lodge. Data for 1973 and 1974 from Falk et al. (1974c) and Moshenko and Gillman (1978b), respectively.

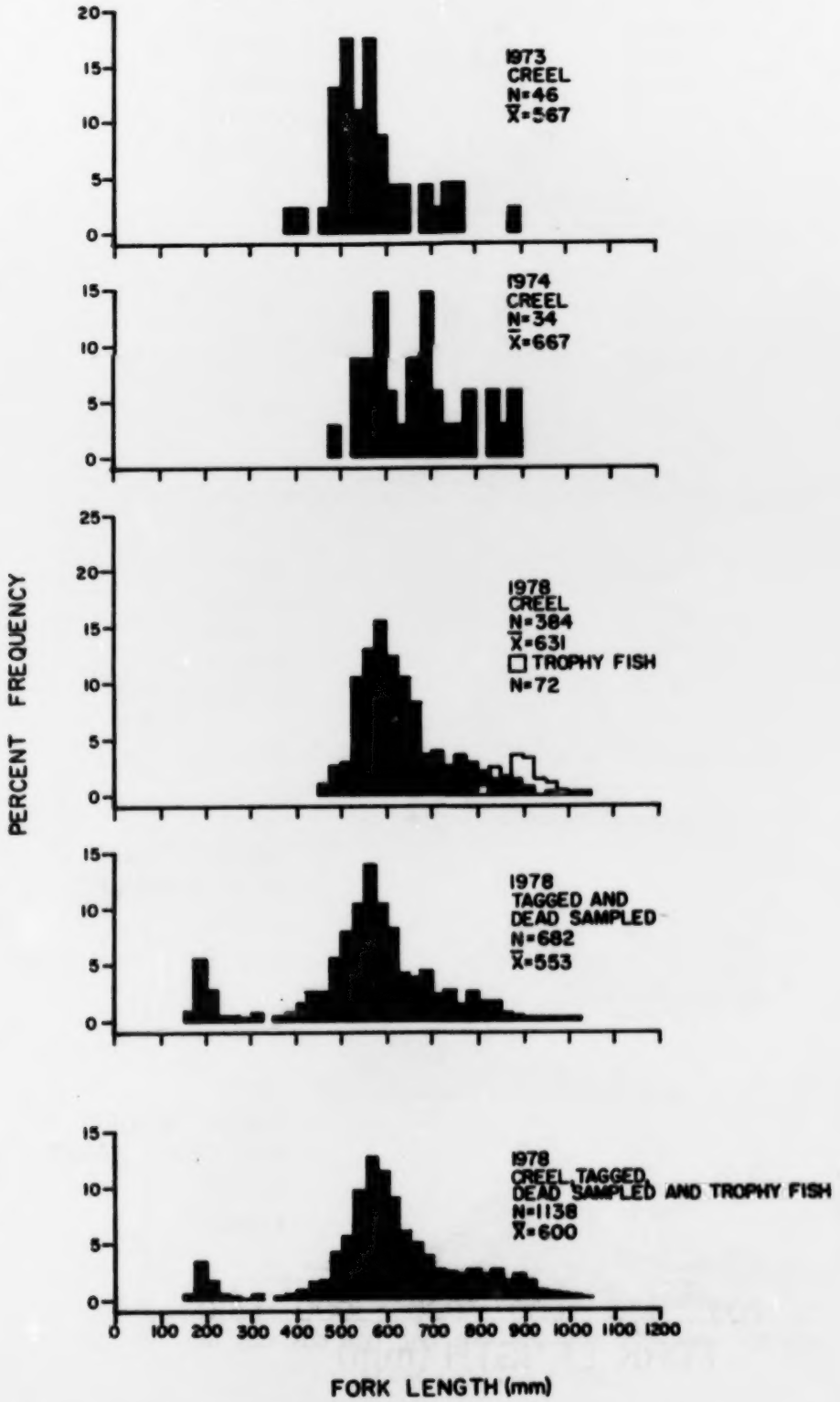


Fig. 9. Length-frequency distribution for lake trout from Arctic Star Lodge. Data for 1973 and 1974 from Falk et al. (1974c) and Moshenko and Gillman (1978b), respectively.

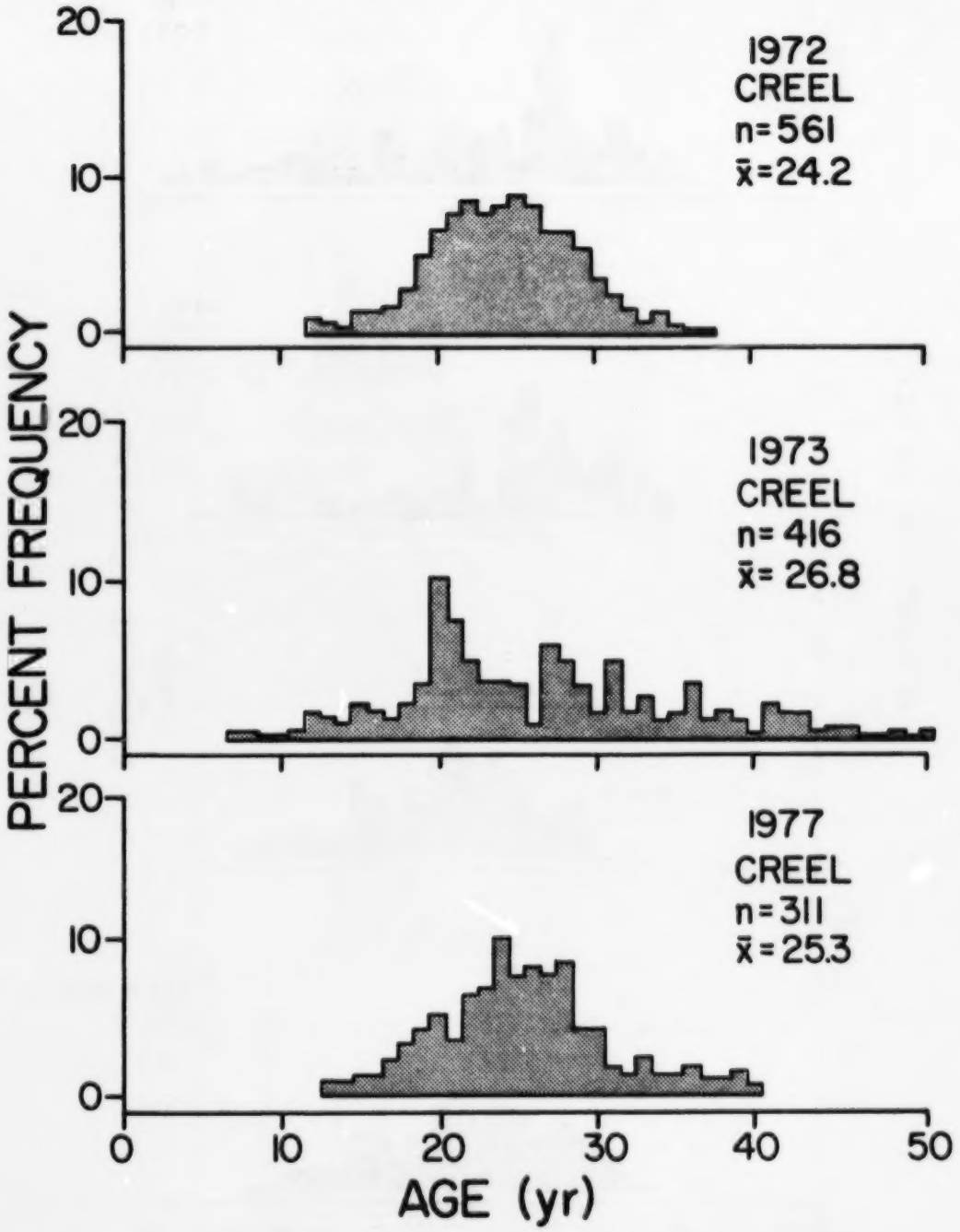


Fig. 10. Age-frequency distribution for lake trout from Plummer's Great Bear Lake Lodge. Data for 1972 and 1973 from Falk et al. (1973, 1974c).

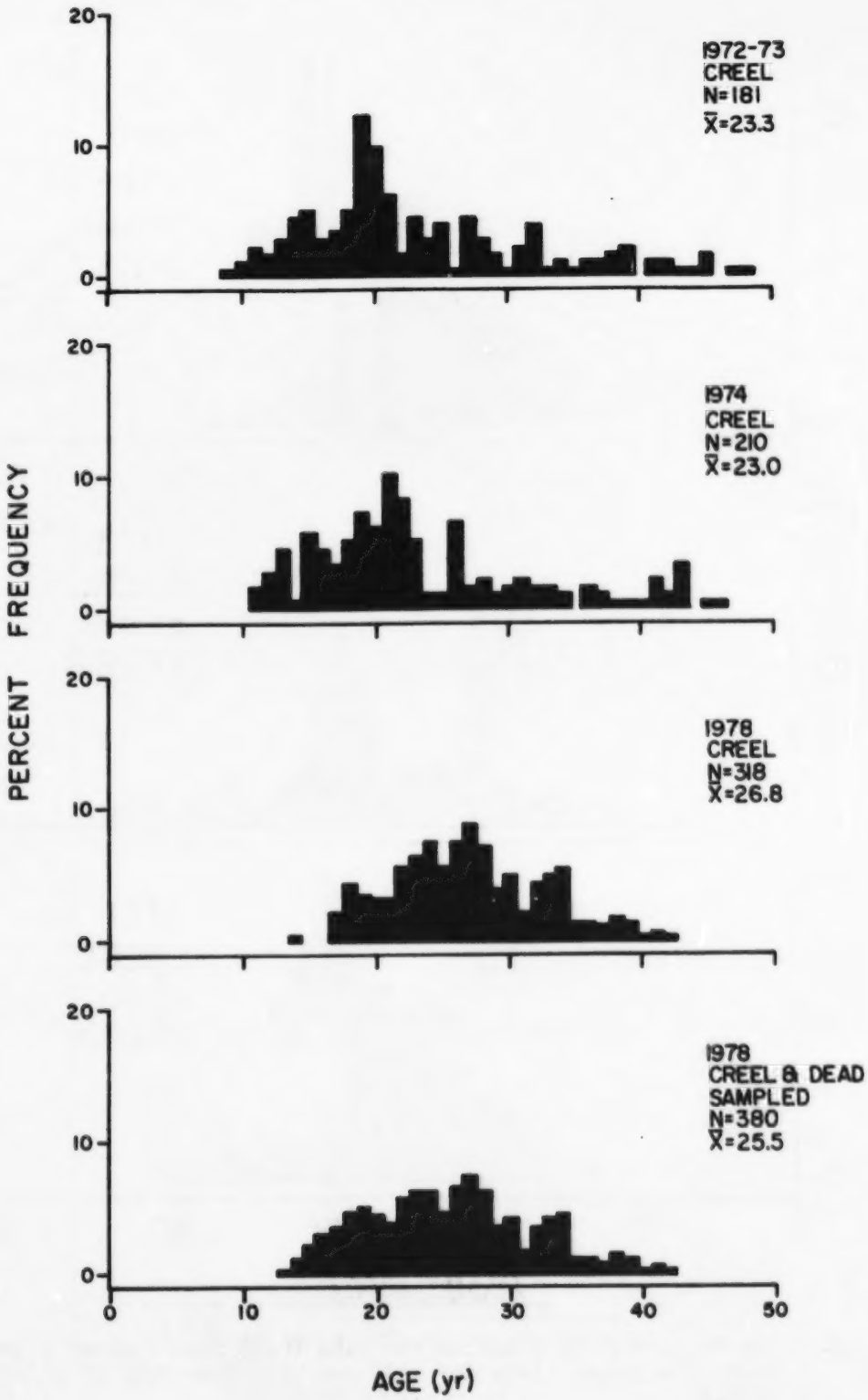


Fig. 11. Age-frequency distribution for lake trout from Branson's Lodge. Data for 1972-73 and 1974 from Falk et al. (1974c) and Moshenko and Gillman (1978b), respectively.

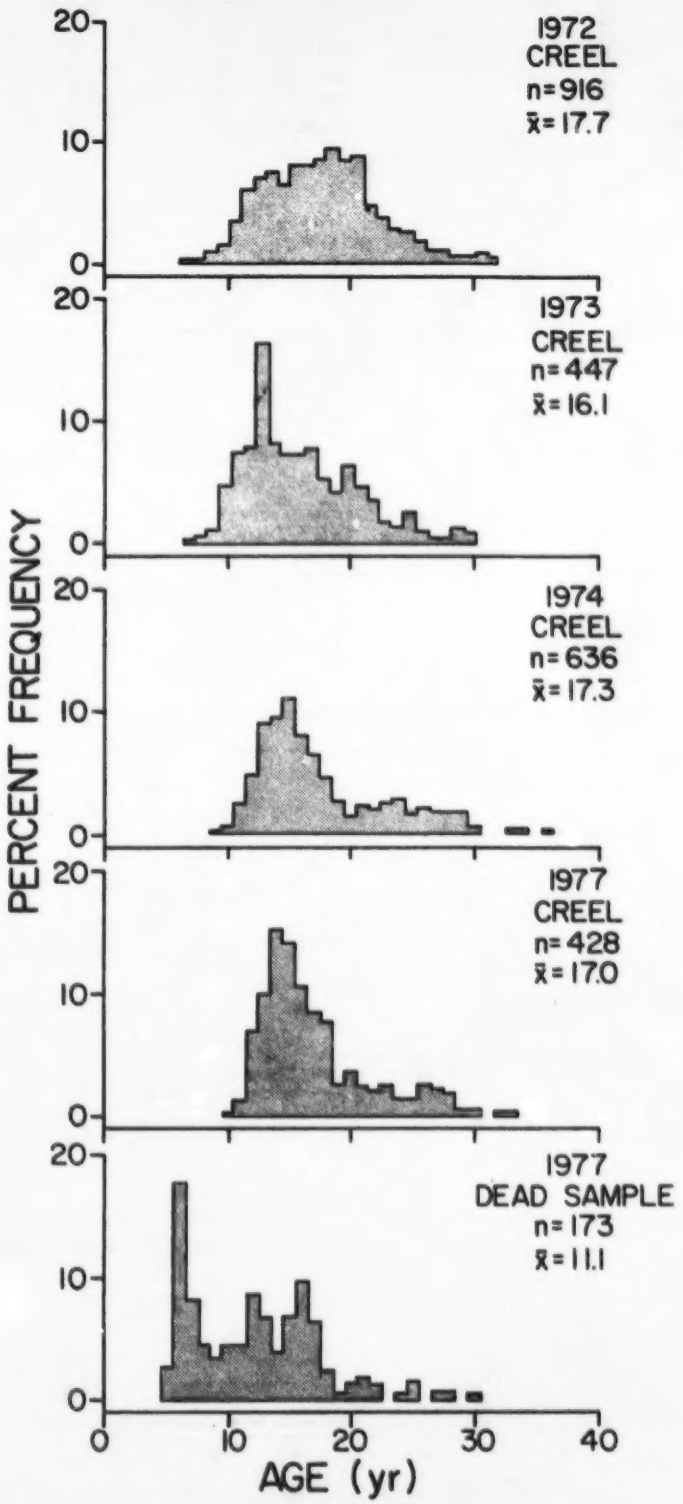


Fig. 12. Age-frequency distribution for lake trout from Plummer's Great Slave Lake Lodge. Data for 1972, 1973 and 1974 from Falk et al. (1973, 1974c) and Moshenko and Gillman (1978b), respectively.

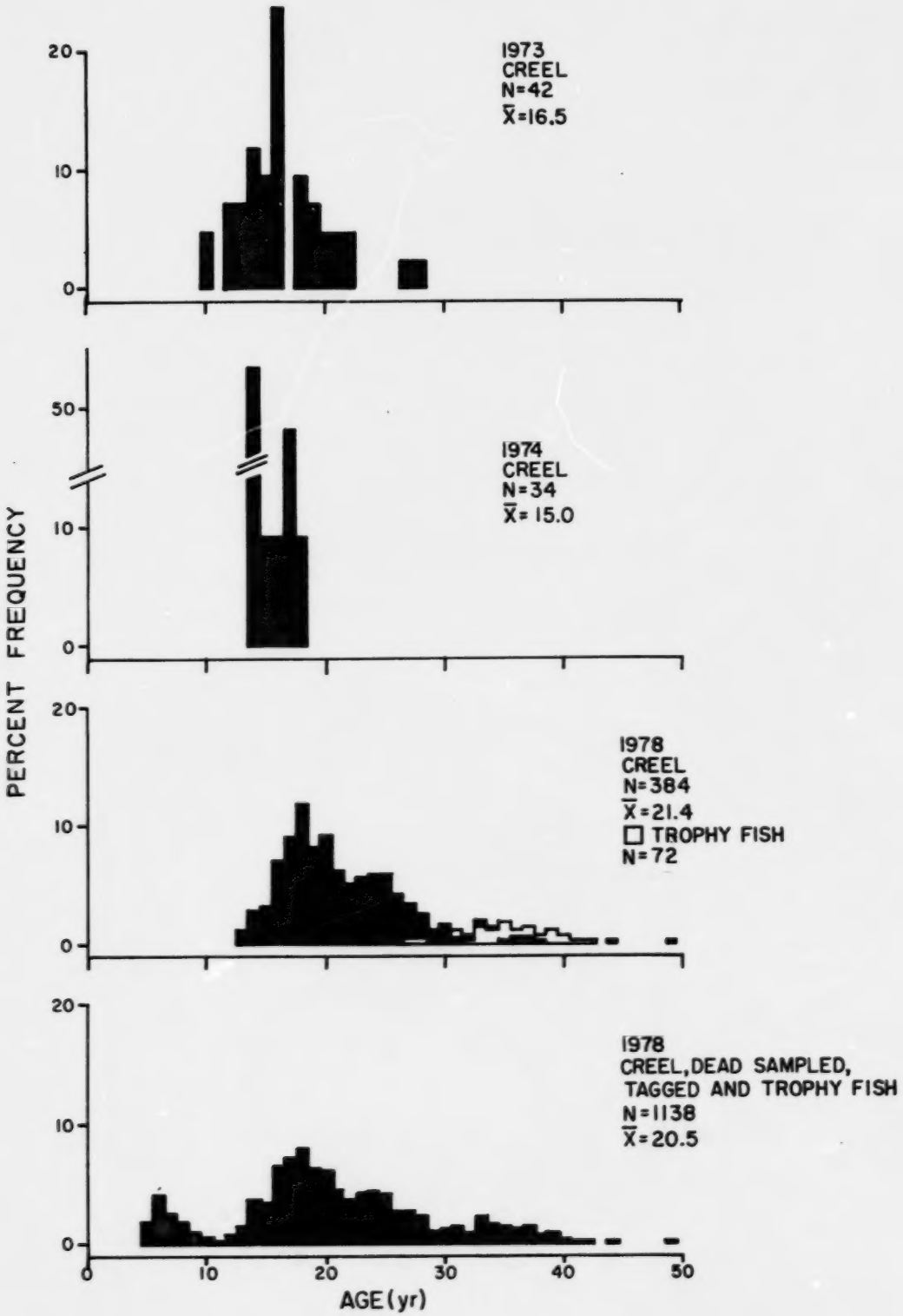


Fig. 13. Age-frequency distribution for lake trout from Arctic Star Lodge. Data for 1973 and 1974 from Falk et al. (1974c) and Moshenko and Gillman (1978b), respectively.

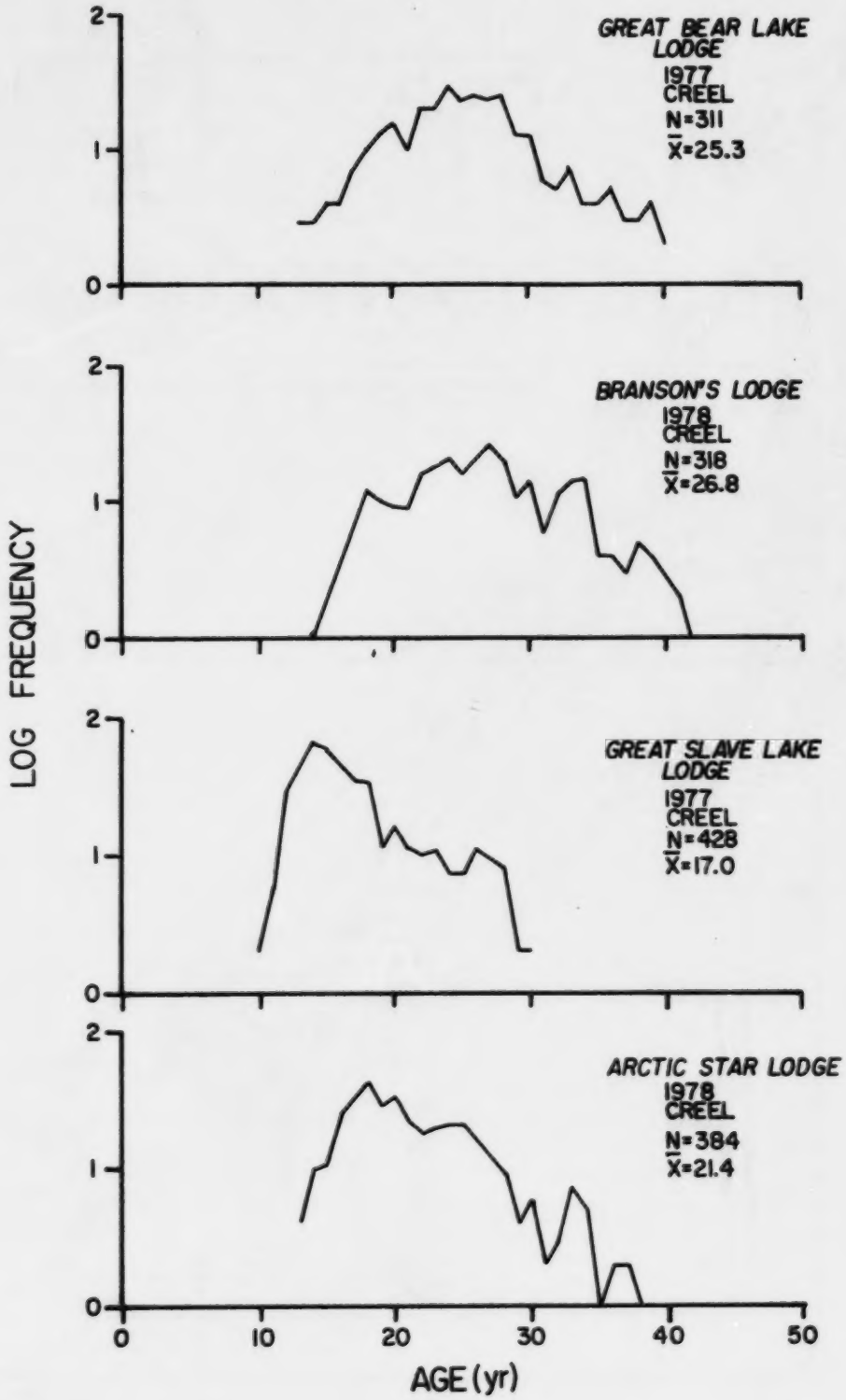


Fig. 14. Catch curves for lake trout from Great Bear Lake and Great Slave Lake lodges, 1977 and 1978.

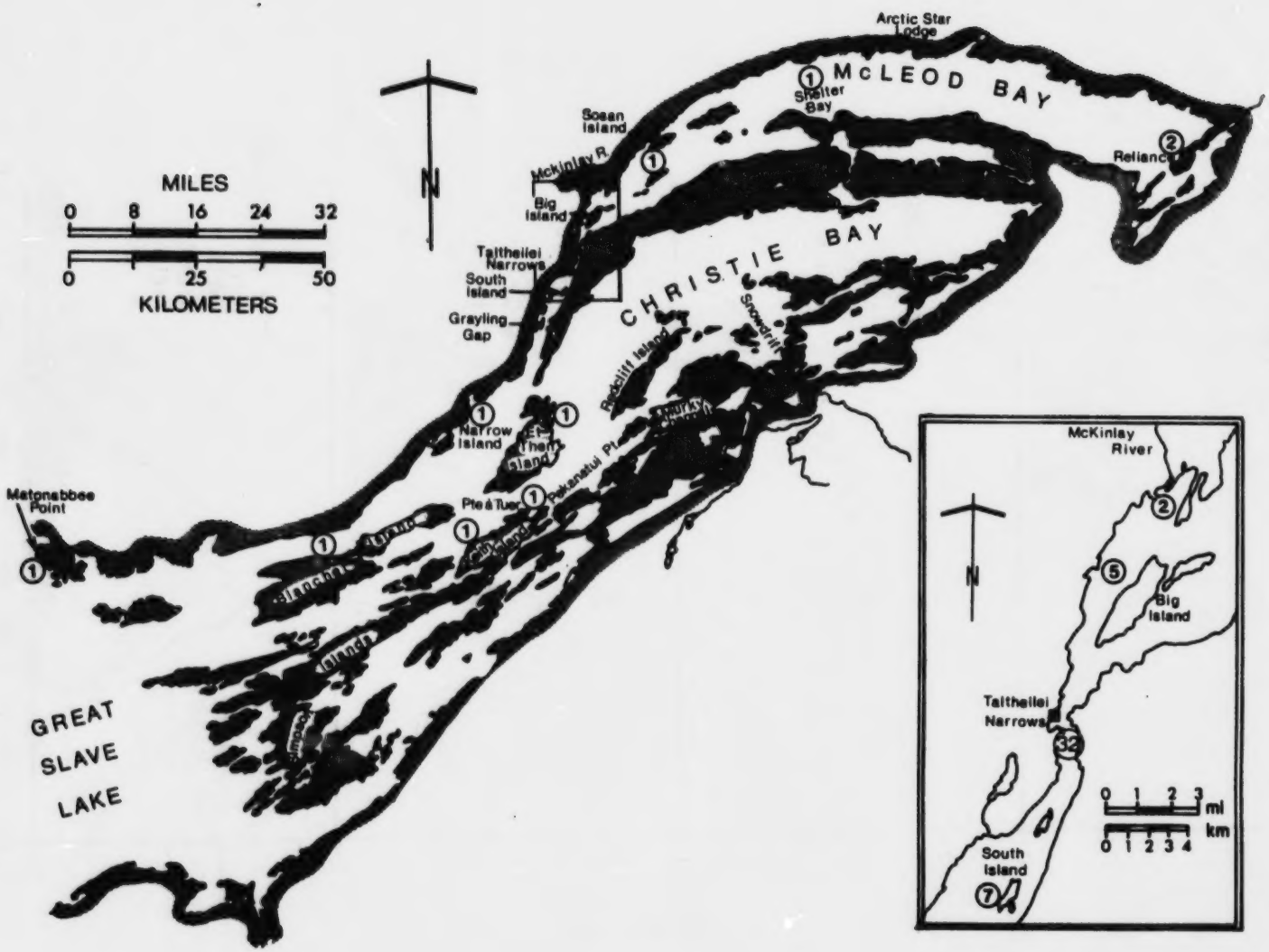


Fig. 15. Distribution of lake trout tag returns from fish tagged in the vicinity of Plummer's Great Slave Lake Lodge (Taltheilei Narrows), 1973-78.

## Barbless Hooks Save Fish

Most mortalities among lure-caught fish occur when hooks are embedded in the gullet and gills, or when the gills are damaged from rough handling. Ensure that your fish is released properly by observing the following points:

### 1 Use Barbless Hooks

They facilitate easy removal of the hook and minimize damage. Barbs can be pinched down with pliers.

### 2 Use Small Mesh Landing Nets

Large mesh nets often tangle in the gill area of fish resulting in damage and heavy bleeding.

### 3 Keep Fish in Water as Much as Possible

Damage can occur when fish thrash about in the boat or on shore. Remove the hook quickly — but carefully.

## Play it Like a True Sportsman

Release your fish back into the lake. Most fish, when handled properly and released do survive and may provide future fishing for someone else.

## Learn How to Release Fish Properly

### 1 Keep Fish in Water

Exhausted fish may often be released without touching them, especially if barbless hooks are used. Bring fish alongside boat or shoreline and using needle-nosed pliers gently work the hook free.

### 2 If Fish Must be Handled

Avoid grasping by the eyes or gills. A firm grip across the top of the head or neck, or under the belly will hold most fish — don't squeeze too hard. Use a wet mitt — or at least a wet hand; otherwise the removal of the protective mucous coat may result in damage. Using needle-nosed pliers gently remove the hook rather than tearing it out.

### 3 Release the Fish Gently

Fish are sometimes passive and display loss of equilibrium when brought to the surface and removed from the water. This may be attributed to a change in water pressure and / or anoxia (insufficient oxygen), and subsequent increase of lactic acid in the bloodstream caused by severe exertion. If fish, when returned to the water, are sluggish and unable to right themselves, move them gently back and forth to force water over the gills.

## Be a True Sportsman

Don't release fish that are damaged or bleeding heavily; retain them as part of your creel. Remember fish grow slowly in the cold and less productive waters of the Northwest Territories. For some larger fish it may take one-half or more of your generation to produce the fish you landed today. Practice conservation — Future generations may wish to fish here.

Appreciate the fishing and the northern landscape — leave nothing behind that may be hazardous to wildlife, and unattractive to the eye.

Government of Canada Fisheries and Oceans / Gouvernement du Canada Pêches et Océans

Fig. 16. Fish conservation poster for proper handling and release of angled fish.

Table 1. Summary of information pertaining to the operation of sport fishing lodges censused on Great Bear and Great Slave lakes, 1977 and 1978.

| Lodge | Year | Guest Capacity[a] | No. of Guests | | Period of Operation | | |
|---|---|---|---|---|---|---|---|
| | | | Calculated | Licence Sales[b] | From | To | Days |
| GREAT BEAR LAKE | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1977 | 60 | 400 | 407 | July 4 | August 27 | 56 |
| Branson's | 1978 | 42 | 243 | 262 | July 8 | August 24 | 48 |
| GREAT SLAVE LAKE | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1977 | 44 | 408 | 413 | June 20 | August 10 | 51 |
| Arctic Star | 1978 | 40 | 198 | 106[c] | June 30 | August 31 | 63 |

[a] Figures obtained from the Division of Tourism, Government of the Northwest Territories.

[b] Figures obtained from the Wildlife Service, Government of the Northwest Territories.

[c] Does not include licence sales through other vendors.

Table 2. Summary of information pertaining to the creel census period at sport fishing lodges censused on Great Bear and Great Slave lakes, 1977 and 1978.

| Lodge | Year | Period of Creel Census | | | %Season Censused | % Census Period Worked | No. of Angler Interviews |
|---|---|---|---|---|---|---|---|
| | | From | To | Days | | | |
| GREAT BEAR LAKE | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1977 | July 8 | August 18 | 31 | 54 | 97 | 905 |
| Branson's | 1978 | July 8 | August 24 | 48 | 100 | 100 | 1252 |
| GREAT SLAVE LAKE | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1977 | June 20 | August 10 | 51 | 98 | 100 | 1938 |
| Arctic Star | 1978 | July 5 | August 17 | 43 | 64 | 93 | 853 |

Table 3. Summary of information pertaining to the angler's creel from lodges censused on Great Bear and Great Slave lakes, 1977 and 1978.

| Lodge | Year | Species | No. Caught | No. Released | Retained No. | Retained % | No. Sampled | Mean Wt. (kg) | Fish Retained Per Angler-day No. | Fish Retained Per Angler-day Wt. (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| GREAT BEAR LAKE | | | | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1977 | Lake trout | 3000 | 1694 | 784 | 26.0 | 326 | 3.83 | 0.87 | 3.30 |
| | | Grayling | 331 | 119 | 212 | 64.0 | 7 | 0.98 | 0.07 | 0.70 |
| Branson's | 1978 | Lake trout | 6790 | 5220 | 836 | 12.3 | 350 | 3.73 | 0.67 | 3.72 |
| | | Grayling | 1194 | 792 | 382 | 32.0 | 0 | - | 0.31 | - |
| | | N. pike | 346 | 269 | 77 | 22.3 | 0 | - | 0.06 | - |
| GREAT SLAVE LAKE | | | | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1977 | Lake trout | 6981 | 3700 | 2271 | 32.5 | 466 | 3.30 | 1.17 | 3.86 |
| | | Grayling | 325 | 166 | 94 | 29.0 | 22 | 0.80 | 0.05 | 0.04 |
| | | N. pike | 1006 | 807 | 124 | 12.0 | 0 | - | 0.07 | - |
| Arctic Star | 1978 | Lake trout | 2062 | 678 | 950 | 46.1 | 400 | 3.27 | 1.11 | 3.30 |
| | | Grayling | 182 | 142 | 36 | 20.0 | 0 | - | 0.04 | - |
| | | N. pike | 164 | 136 | 23 | 14.0 | 0 | - | 0.03 | - |

Table 4. Summary of information pertaining to the harvest of lake trout from lodges censused on Great Bear and Great Slave lakes, 1977 and 1978.

| Lodge | Year | Lake Trout | Caught | Released | Retained | Release Mortality | Shore Lunch | Total Harvested | Harvest Per Angler |
|---|---|---|---|---|---|---|---|---|---|
| GREAT BEAR LAKE | | | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1977 | No. | 7051 | 3737 | 2294 | 494 | 1020 | 3413 | 8.4 |
| | | Wt. | 23268 | 12323 | 7570 | 1630 | 3360 | 13072 | 32.2 |
| Branson's | 1978 | No. | 6790 | 5220 | 836 | 365 | 734 | 1935 | 8.0 |
| | | Wt. | 25306 | 19455 | 3116 | 1360 | 2736 | 7212 | 29.8 |
| GREAT SLAVE LAKE | | | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1977 | No. | 6751 | 3811 | 1762 | 473 | 1178 | 3808 | 9.4 |
| | | Wt. | 25856 | 14596 | 6749 | 1812 | 4512 | 12566 | 31.0 |
| Arctic Star | 1978 | No. | 2825 | 928 | 1302 | 64 | 594 | 1960 | 9.9 |
| | | Wt. | 9249 | 3038 | 4663 | 210 | 1975 | 6417 | 32.4 |

Table 5. Summary of information pertaining to the hours fished, angler success, and yield for lake trout from lodges censused on Great Bear and Great Slave lakes, 1977 and 1978.

| Lodge | Year | Hours Fished (L. Trout) | | Lake Trout Caught | | Surface Area (hectares) | | Yield (kg/hectare) | |
|---|---|---|---|---|---|---|---|---|---|
| | | Total | Per Angler-day | Per Angler-day | Per Angler-hour | Available | Utilized | Area Available | Area Utilized |
| GREAT BEAR LAKE | | | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1977 | 5402 | 5.9 | 3.3 | 0.56 | 55989 | 32710 | 0.23 | 0.40 |
| Branson's | 1978 | 8138 | 6.5 | 5.4 | 0.83 | 22251 | 20919 | 0.32 | 0.35 |
| GREAT SLAVE LAKE | | | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1977 | 13006 | 6.7 | 3.6 | 0.53 | 21822 | 4137 | 0.58 | 3.00 |
| Arctic Star | 1978 | 3899 | 4.6 | 2.4 | 0.53 | 11622 | 3782 | 0.55 | 1.91 |

Table 6. Summary of creel census data for four lodges on Great Bear and Great Slave lakes, 1971-78.

| Lake/Lodge | Year | No. of Angler-guests[a] | Lake Trout: No. Caught Per Angler-hour | Lake Trout: No. Retained Per Angler-day | Total Harvest (Lake Trout): Per Angler No. | Per Angler Wt.(kg) | Season No. | Season Wt.(kg) |
|---|---|---|---|---|---|---|---|---|
| GREAT BEAR LAKE | | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1972 | - | - | - | | | | |
| | 1973 | 413 | 0.74 | 2.17 | - | 53.0 | 6828 | 24581 |
| | 1977 | 407 | 0.56 | 0.87 | - | 43.9 | 5494 | 18781 |
| | | | | | 8.4 | 32.2 | 3413 | 13072 |
| Branson's Lodge | 1971 | - | - | - | | | | |
| | 1972 | - | - | - | - | 46.3 | 3455 | 11885 |
| | 1973 | 180 | 0.75 | 2.38 | - | 43.7 | 3635 | 10217 |
| | 1974 | 359 | 0.93 | 2.08 | - | 56.6 | 3716 | 10293 |
| | 1978 | 262 | 0.83 | 0.67 | - | 49.8 | 3963 | 12890 |
| | | | | | 8.0 | 29.8 | 1935 | 7212 |
| GREAT SLAVE LAKE | | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1961 | - | - | - | | | | |
| | 1971 | - | - | - | - | 39.3 | 857 | 3690 |
| | 1972 | - | - | - | - | 38.4 | 2569 | 12539 |
| | 1973 | 325 | 0.44 | 1.21 | - | 30.9 | 2966 | 9818 |
| | 1974 | 335 | 0.36 | 1.28 | - | 42.2 | 4112 | 13118 |
| | 1977 | 413 | 0.53 | 1.17 | - | 26.1 | 2373 | 8116 |
| | | | | | 9.4 | 31.0 | 3808 | 12566 |
| Arctic Star Lodge | 1972 | - | - | - | | | | |
| | 1973 | 74 | 0.63 | 3.18 | - | 37.0 | 736 | 2959 |
| | 1974 | 33[b] | 0.32 | 0.93 | - | 64.4 | 911 | 2575 |
| | 1978 | 198[b] | 0.53 | 1.11 | - | 36.3 | 349 | 1379 |
| | | | | | 9.9 | 32.4 | 1960 | 6417 |

[a] Based on licence sales.

[b] Calculated.

Table 7. Sport fishing licence sales from lodges on Great Bear and Great Slave lakes, 1977 and 1978.

| | 1977 | | | 1978 | | |
|---|---|---|---|---|---|---|
| | Resident[a] | Non-Resident | Total | Resident[a] | Non-Resident | Total |
| **GREAT BEAR LAKE** | | | | | | |
| Great Bear Lake Trophy Lodge | 95 | 226 | 321 | 87 | 242 | 329 |
| Great Bear Lodge | 8 | 305 | 313 | 35 | 226 | 261 |
| Great Bear Lake Lodge (Plummer's) | 43 | 364 | 407 | 98 | 327 | 425 |
| Branson's Lodge | 113 | 264 | 377 | 85 | 177 | 262 |
| Arctic Circle Lodge | 111 | 229 | 340 | 88 | 201 | 289 |
| | 370 | 1388 | 1758 | 393 | 1173 | 1566 |
| **GREAT SLAVE LAKE** | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 71 | 413 | 584 | 65 | 335 | 400 |
| Frontier Fishing Lodge | 52 | 212 | 264 | 48 | 171 | 219 |
| Great Slave Trophy Lodge | 17 | 34 | 51 | 9 | 22 | 31 |
| Indian Mountain Lodge | 37 | 14 | 51 | N/A[b] | N/A[b] | N/A |
| Arctic Star Lodge | N/A | N/A | N/A | 10[b] | 96[b] | 106 |
| | 177 | 673 | 850 | 132 | 624 | 756 |

[a] Resident of Canada; may not include some sales through other N.W.T. vendors.

[b] Does not include licence sales through other N.W.T. vendors.

Table 8. Harvest of lake trout from four sport fishing lodges on Great Bear and Great Slave lakes, 1971 to 1978.

| Lodge | Year | | Lake Trout Caught | Lake Trout Released | Lake Trout Retained | Release Mortality | Shore Lunches | Total | Harvest Per Angler |
|---|---|---|---|---|---|---|---|---|---|
| Great Bear Lake Lodge | 1972 | No. | 10179 | 3603 | 5187 | 252 | 1389 | 6828 | - |
| | | Wt. (kg) | 36645 | 12972 | 18673 | 908 | 5000 | 24581 | 53.0 |
| | 1973 | No. | 8959 | 3726 | 3994 | 261 | 1239 | 5494 | - |
| | | Wt. | 30636 | 12747 | 13652 | 892 | 4237 | 18781 | 43.9 |
| | 1977 | No. | 6751 | 3811 | 1762 | 473 | 1178 | 3413 | 8.4 |
| | | Wt. | 25856 | 14596 | 6749 | 1812 | 4512 | 13072 | 32.2 |
| Branson's Lodge | 1971 | No. | 6380 | 3145 | 2464 | 220 | 771 | 3455 | - |
| | | Wt. | 21947 | 10819 | 8476 | 757 | 2652 | 11885 | 46.3 |
| | 1972 | No. | 6622 | 3212 | 2708 | 255 | 702 | 3635 | - |
| | | Wt. | 18611 | 9026 | 7612 | 632 | 1973 | 10217 | 43.7 |
| | 1973 | No. | 6188 | 2658 | 2975 | 186 | 555 | 3716 | - |
| | | Wt. | 17141 | 7363 | 8241 | 515 | 1537 | 10293 | 56.6 |
| | 1974 | No. | 13311 | 10052 | 2182 | 704 | 1077 | 3963 | - |
| | | Wt. | 43309 | 32709 | 7100 | 2290 | 3500 | 12890 | 49.8 |
| | 1978 | No. | 6790 | 5220 | 836 | 365 | 734 | 1935 | 8.0 |
| | | Wt. | 25306 | 19455 | 3116 | 1360 | 2736 | 7212 | 29.8 |
| Great Slave Lake Lodge | 1961[a] | No. | 2345 | 1600 | 211 | 112 | 534 | 857 | - |
| | | Wt. | 12544 | 9520 | 1256 | 666 | 1768 | 3690 | 39.3 |
| | 1971 | No. | 4371 | 1937 | 1578 | 135 | 856 | 2569 | - |
| | | Wt. | 23026 | 11273 | 9184 | 786 | 2569 | 12539 | 38.4 |
| | 1972 | No. | 4936 | 2118 | 2035 | 148 | 783 | 2966 | - |
| | | Wt. | 16338 | 7010 | 6736 | 490 | 2592 | 9818 | 30.3 |
| | 1973 | No. | 8632 | 4860 | 2841 | 340 | 931 | 4112 | - |
| | | Wt. | 27536 | 15503 | 9063 | 1085 | 2970 | 13118 | 42.2 |
| | 1974 | No. | 4564 | 2345 | 1356 | 164 | 853 | 2373 | - |
| | | Wt. | 15575 | 8020 | 4638 | 561 | 2917 | 8116 | 26.1 |
| | 1977 | No. | 7051 | 3737 | 2294 | 494 | 1020 | 3808 | 9.4 |
| | | Wt. | 23268 | 12332 | 7570 | 1630 | 3360 | 12566 | 31.0 |
| Arctic Star Lodge | 1972[b] | No. | 1320 | 628 | 557 | 44 | 736 | - | - |
| | | Wt. | 5306 | 2524 | 2237 | 177 | 2958 | - | - |
| | 1973 | No. | 1214 | 374 | 640 | 71 | 911 | - | - |
| | | Wt. | 3417 | 1039 | 1778 | 197 | 2575 | 64.4 | - |
| | 1974 | No. | 537 | 202 | 229 | 14 | 349 | - | - |
| | | Wt. | 2122 | 798 | 905 | 55 | 1379 | 36.3 | - |
| | 1978 | No. | 2825 | 928 | 1302 | 64 | 594 | 1960 | 9.9 |
| | | Wt. | 9249 | 3038 | 4663 | 210 | 1975 | 6417 | 32.4 |

[a] Estimate based on data from Keleher and Meeker (1962).

[b] Based on an estimate of 80 guests.

Table 9. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled lake trout from Plummer's Great Bear Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 450-474 | 1 | 472 | - | 1500 | - | 1.43 | 1 | 0 | - | - | - | - |
| 475-499 | 4 | 482 | 4.0 | 1412 | 154.8 | 1.25 | 1 | 0 | 3 | 0 | 3.0 | - |
| 500-524 | 1 | 523 | - | 1800 | - | 1.26 | 1 | 0 | - | - | - | - |
| 525-549 | 5 | 538 | 8.5 | 1770 | 83.7 | 1.14 | 2 | 0 | 3 | 0 | 1.5 | - |
| 550-574 | 17 | 566 | 7.5 | 2332 | 467.0 | 1.28 | 8 | 62 | 9 | 22 | 1.1 | - |
| 575-599 | 21 | 587 | 5.8 | 2755 | 330.5 | 1.36 | 9 | 33 | 12 | 33 | 1.3 | - |
| 600-624 | 49 | 612 | 7.3 | 3008 | 468.7 | 1.31 | 23 | 70 | 25 | 28 | 1.1 | 1 |
| 625-649 | 48 | 637 | 7.5 | 3276 | 322.5 | 1.27 | 19 | 89 | 29 | 55 | 1.5 | - |
| 650-674 | 50 | 660 | 8.3 | 3667 | 458.3 | 1.27 | 20 | 90 | 30 | 70 | 1.5 | - |
| 675-699 | 30 | 686 | 7.0 | 3778 | 292.9 | 1.17 | 10 | 90 | 20 | 35 | 2.0 | - |
| 700-724 | 29 | 710 | 7.9 | 4324 | 505.9 | 1.21 | 8 | 75 | 21 | 38 | 2.6 | - |
| 725-749 | 24 | 734 | 7.2 | 4325 | 536.1 | 1.09 | 11 | 54 | 13 | 23 | 1.2 | - |
| 750-774 | 11 | 764 | 6.5 | 4809 | 445.4 | 1.08 | 4 | 50 | 7 | 43 | 1.7 | - |
| 775-799 | 6 | 787 | 7.1 | 5233 | 744.7 | 1.07 | 1 | 100 | 5 | 20 | 5.0 | - |
| 800-824 | 9 | 809 | 8.5 | 5989 | 1006.5 | 1.13 | 4 | 75 | 5 | 20 | 1.2 | - |
| 825-849 | 4 | 835 | 7.1 | 7075 | 1547.8 | 1.22 | 1 | 100 | 3 | 33 | 3.0 | - |
| 850-874 | 4 | 859 | 7.6 | 6925 | 266.1 | 1.09 | 2 | 0 | 2 | 0 | 1.0 | - |
| 875-899 | 8 | 886 | 10.1 | 7819 | 1110.3 | 1.12 | 2 | 100 | 6 | 17 | 3.0 | - |
| 900-924 | 3 | 912 | 6.4 | 8017 | 875.1 | 1.05 | 2 | 100 | 1 | 0 | 0.5 | - |
| 925-949 | - | - | - | - | - | - | - | - | - | - | - | - |
| 950-974 | 2 | 961 | 16.3 | 10700 | 282.8 | 1.20 | 1 | 100 | 1 | 0 | 1.0 | - |
| Total | 326 | - | - | - | - | - | 130 | 71 | 195 | 39 | 1.5 | 1 |
| Mean | - | 671 | 84.8 | 3828 | 1442.2 | 1.23 | - | - | - | - | - | - |

Table 10. Data for trophy lake trout from Plummer's Great Bear Lake Lodge, 1976.[a]

| Length Interval (mm) | No. | Fork Length (mm) Mean | SD | Weight (g) Mean | SD | Condition Factor | Age (yr) | No. | Fork Length (mm) Mean | SD | Weight (g) Mean | SD | Condition Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 800-824 | 2 | 813 | 4.2 | 6925 | 1520.3 | 1.29 | 31 | 1 | 810 | - | 5850 | - | 1.10 |
| 825-849 | - | - | - | - | - | - | 32 | 1 | 816 | - | 8000 | - | 1.47 |
| 850-874 | 1 | 864 | - | 6950 | - | 1.08 | 33 | 2 | 889 | 35.3 | 7975 | 1449.5 | 1.13 |
| 875-899 | - | - | - | - | - | - | 34 | 1 | 972 | - | 7750 | - | 0.84 |
| 900-924 | 2 | 914 | - | 8600 | 565.7 | 1.13 | 35 | 1 | 914 | - | 8200 | - | 1.07 |
| 925-949 | - | - | - | - | - | - | 36 | - | - | - | - | - | - |
| 950-974 | 3 | 966 | 10.9 | 8633 | 900.4 | 0.96 | 37 | - | - | - | - | - | - |
| 975-999 | - | - | - | - | - | - | 38 | 1 | 953 | - | 8600 | - | 0.99 |
| 1000-1024 | - | - | - | - | - | - | 39 | 1 | 1080 | - | 19100 | - | 1.52 |
| 1025-1049 | - | - | - | - | - | - | 40 | - | - | - | - | - | - |
| 1050-1074 | - | - | - | - | - | - | 41 | 1 | 1099 | - | 14000 | - | 1.05 |
| 1075-1099 | 3 | 1090 | 9.6 | 17100 | 2722.1 | 1.32 | 42 | 1 | 1092 | - | 18200 | - | 1.40 |
| 1100-1124 | 3 | 1112 | 6.8 | 13533 | 1501.1 | 0.98 | 43 | 1 | 1105 | - | 11800 | - | 0.87 |
| 1125-1149 | - | - | - | - | - | - | 44 | 2 | 1141 | 37.4 | 16700 | 3252.0 | 1.12 |
| 1150-1174 | 2 | 1168 | - | 17000 | 2828.4 | 1.07 | 45 | 1 | 1118 | - | 14400 | - | 1.03 |
| 1175-1199 | - | - | - | - | - | - | 46 | 1 | 1219 | - | 17000 | - | 0.94 |
| 1200-1224 | 1 | 1219 | - | 17000 | - | 0.94 | 47 | 1 | 1168 | - | 15000 | - | 0.94 |
| 1225-1249 | 1 | 1238 | - | 23400 | - | 1.23 | 48 | - | - | - | - | - | - |
| | | | | | | | 49 | - | - | - | - | - | - |
| | | | | | | | 50 | 1 | 1238 | - | 23400 | | 1.23 |
| Total | 18 | - | - | - | - | - | Total | 17 | - | - | - | - | - |
| Mean | - | 1034 | 134.9 | 12788 | 5113.7 | 1.15 | Mean | 39.8[b] | 1038 | 138.2 | 12979 | 5202.0 | 1.16 |

[a] Data obtained through Hawkins Taxidermists Ltd.

[b] Mean age.

Table 11. Mean fork length, mean weight and condition factor by length interval for all lake trout from Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor |
|---|---|---|---|---|---|---|
| 300-324 | 3 | 321 | 2.3 | 417 | 28.9 | 1.26 |
| 325-349 | 5 | 338 | 6.1 | 460 | 124.5 | 1.20 |
| 350-374 | 12 | 365 | 6.6 | 738 | 383.2 | 1.52 |
| 375-399 | 19 | 388 | 8.5 | 689 | 99.4 | 1.18 |
| 400-424 | 33 | 410 | 8.0 | 827 | 191.3 | 1.19 |
| 425-449 | 21 | 437 | 6.3 | 963 | 202.7 | 1.16 |
| 450-474 | 25 | 462 | 6.4 | 1228 | 271.9 | 1.24 |
| 475-499 | 22 | 485 | 6.6 | 1368 | 182.3 | 1.20 |
| 500-524 | 18 | 512 | 7.3 | 1633 | 363.8 | 1.22 |
| 525-549 | 29 | 535 | 6.8 | 1824 | 267.8 | 1.19 |
| 550-574 | 35 | 562 | 6.9 | 2284 | 304.8 | 1.29 |
| 575-599 | 37 | 588 | 6.4 | 2670 | 349.7 | 1.31 |
| 600-624 | 44 | 611 | 7.5 | 2905 | 407.2 | 1.27 |
| 625-649 | 50 | 636 | 7.2 | 3199 | 350.9 | 1.24 |
| 650-674 | 42 | 660 | 6.4 | 3589 | 646.1 | 1.25 |
| 675-699 | 45 | 684 | 6.6 | 3844 | 486.1 | 1.20 |
| 700-724 | 38 | 712 | 7.1 | 4270 | 557.7 | 1.18 |
| 725-749 | 26 | 737 | 6.5 | 4656 | 617.1 | 1.16 |
| 750-774 | 12 | 758 | 7.0 | 4936 | 335.8 | 1.13 |
| 775-799 | 17 | 784 | 6.4 | 5432 | 587.4 | 1.13 |
| 800-824 | 15 | 811 | 7.2 | 6353 | 1058.5 | 1.19 |
| 825-849 | 9 | 837 | 9.3 | 6767 | 585.8 | 1.15 |
| 850-874 | 10 | 862 | 6.8 | 7850 | 1042.2 | 1.22 |
| 875-899 | 5 | 886 | 8.2 | 8150 | 911.0 | 1.17 |
| 900-924 | 7 | 907 | 9.9 | 8328 | 1414.2 | 1.11 |
| 925-949 | 4 | 933 | 10.0 | 9638 | 1589.2 | 1.19 |
| 950-974 | 6 | 957 | 10.3 | 9838 | 749.3 | 1.12 |
| 975-999 | 5 | 983 | 8.2 | 10630 | 558.5 | 1.11 |
| 1000-1024 | 5 | 1008 | 9.1 | 11400 | 2478.7 | 1.11 |
| 1025-1049 | 4 | 1027 | 4.5 | 11625 | 750.0 | 1.07 |
| 1050-1074 | 1 | 1050 | - | 13900 | - | 1.20 |
| 1100-1124 | 2 | 1114 | - | 18100 | - | 1.31 |
| 1150-1174 | 2 | 1157 | - | 18850 | - | 1.22 |
| 1200-1224 | 1 | 1200 | - | 19500 | - | 1.13 |
| Total | 610 | - | - | - | - | - |
| Mean | - | 625 | 158.1 | 3504 | 2766.3 | 1.22 |

Table 12. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled lake trout from Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | |
| 375-399 | 2 | 385 | 14.1 | 650 | 70.7 | 1.14 | 1 | N/A | 1 | 0 | 1.0 |
| 400-424 | 1 | 422 | - | 800 | 721.7 | 1.06 | - | | 1 | 0 | - |
| 425-449 | - | - | - | - | - | - | - | | - | - | - |
| 450-474 | 3 | 460 | | 1417 | 721.7 | 1.43 | 1 | | 2 | 0 | 2.0 |
| 475-499 | 12 | 487 | 7.1 | 1375 | 168.5 | 1.19 | 5 | | 7 | 0 | 1.4 |
| 500-524 | 4 | 510 | 9.7 | 1575 | 357.1 | 1.19 | 1 | | 3 | 0 | 3.0 |
| 525-549 | 8 | 535 | 6.3 | 1856 | 193.5 | 1.21 | 4 | | 4 | 0 | 1.0 |
| 550-574 | 20 | 564 | 5.2 | 2327 | 336.2 | 1.30 | 11 | | 9 | 11 | 0.8 |
| 575-599 | 22 | 589 | 5.6 | 2723 | 314.9 | 1.33 | 13 | | 9 | 11 | 0.7 |
| 600-624 | 32 | 612 | 7.7 | 2966 | 404.9 | 1.29 | 19 | | 13 | 31 | 0.7 |
| 625-649 | 42 | 636 | 7.2 | 3225 | 329.7 | 1.25 | 19 | | 23 | 48 | 1.2 |
| 650-674 | 38 | 660 | 6.5 | 3667 | 596.2 | 1.27 | 17 | | 21 | 0 | 1.2 |
| 675-699 | 38 | 686 | 6.5 | 3916 | 487.6 | 1.22 | 16 | | 22 | 41 | 1.4 |
| 700-724 | 31 | 713 | 7.0 | 4305 | 556.4 | 1.19 | 8 | | 23 | 57 | 2.9 |
| 725-749 | 21 | 736 | 5.9 | 4676 | 681.1 | 1.17 | 7 | | 14 | 50 | 2.0 |
| 750-774 | 5 | 757 | 8.1 | 5090 | 307.0 | 1.17 | 2 | | 3 | 0 | 1.5 |
| 775-799 | 12 | 785 | 7.4 | 5333 | 460.9 | 1.10 | 5 | | 7 | 14 | 1.4 |
| 800-824 | 10 | 811 | 7.6 | 6290 | 1286.4 | 1.18 | 2 | | 8 | 12 | 4.0 |
| 825-849 | 6 | 833 | 8.8 | 6650 | 632.5 | 1.15 | 2 | | 4 | 50 | 2.0 |
| 850-874 | 3 | 858 | 9.2 | 6633 | 431.1 | 1.05 | 2 | | 1 | 0 | 0.5 |
| 875-899 | 2 | 890 | 7.1 | 7725 | 176.8 | 1.10 | - | | 2 | 50 | - |
| 900-924 | 1 | 922 | - | 8150 | - | 1.04 | - | | 1 | 0 | - |
| 925-949 | 1 | 941 | 7.8 | 8775 | 318.2 | 1.06 | - | | 1 | 0 | - |
| 950-974 | 1 | 970 | - | 9750 | - | 1.07 | - | | 1 | 100 | - |
| 975-999 | 1 | 987 | - | 10050 | - | 1.05 | 1 | | - | - | - |
| 1000-1024 | 1 | 1034 | - | 11400 | - | 1.03 | - | | 1 | 100 | - |
| Total | 318 | - | - | - | - | - | 136 | | 182 | 30 | 1.3 |
| Mean | - | 662 | 96.9 | 3727 | 1562.8 | 1.23 | - | | - | - | - |

Table 13. Mean fork length, mean weight and condition factor by length interval for all lake trout from experimental nets at Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 300-324 | 3 | 321 | 2.3 | 417 | 28.9 | 1.26 |
| 325-349 | 5 | 338 | 6.1 | 460 | 124.5 | 1.20 |
| 350-374 | 12 | 365 | 6.6 | 738 | 383.2 | 1.52 |
| 375-399 | 17 | 388 | 8.2 | 694 | 102.9 | 1.19 |
| 400-424 | 32 | 410 | 7.8 | 828 | 194.2 | 1.20 |
| 425-449 | 21 | 437 | 6.3 | 963 | 202.7 | 1.16 |
| 450-474 | 22 | 463 | 6.0 | 1202 | 170.8 | 1.21 |
| 475-499 | 11 | 483 | 5.6 | 1363 | 206.6 | 1.21 |
| 500-524 | 14 | 513 | 6.7 | 1650 | 377.2 | 1.22 |
| 525-549 | 21 | 535 | 7.2 | 1812 | 294.9 | 1.18 |
| 550-574 | 14 | 560 | 8.5 | 2225 | 266.6 | 1.27 |
| 575-599 | 15 | 586 | 6.8 | 2593 | 393.6 | 1.29 |
| 600-624 | 12 | 608 | 6.3 | 2742 | 382.5 | 1.22 |
| 625-649 | 8 | 638 | 7.9 | 3063 | 447.0 | 1.18 |
| 650-674 | 4 | 661 | 5.5 | 2850 | 717.6 | 0.98 |
| 675-699 | 7 | 678 | 3.4 | 3457 | 243.9 | 1.11 |
| 700-724 | 7 | 709 | 7.1 | 4114 | 579.3 | 1.16 |
| 725-749 | 5 | 741 | 7.7 | 4570 | 222.5 | 1.12 |
| 750-774 | 7 | 759 | 6.7 | 4829 | 330.7 | 1.11 |
| 775-799 | 5 | 782 | 2.0 | 5670 | 834.1 | 1.19 |
| 800-824 | 5 | 811 | 6.7 | 6480 | 410.2 | 1.21 |
| 825-849 | 2 | 843 | 3.5 | 6750 | 353.6 | 1.13 |
| 850-874 | 7 | 864 | 5.3 | 8371 | 714.1 | 1.30 |
| 900-924 | 4 | 908 | 9.6 | 8163 | 1718.2 | 1.09 |
| 925-949 | 1 | 925 | - | 12000 | - | 1.52 |
| 950-974 | 2 | 950 | - | 9450 | 1414.2 | 1.10 |
| Total | 263 | - | - | - | - | - |
| Mean | - | 541 | 149.2 | 2350 | 2122.3 | 1.22 |

Table 14. Mean fork length, mean weight and condition factor by length interval for trophy lake trout from Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 550-574 | 1 | 560 | - | 2250 | - | 1.28 |
| 825-849 | 1 | 849 | - | 7500 | - | 1.23 |
| 875-899 | 3 | 883 | 9.1 | 8433 | 1159.0 | 1.22 |
| 900-924 | 2 | 900 | - | 8700 | 1626.0 | 1.20 |
| 925-949 | 1 | 925 | - | 9000 | - | 1.14 |
| 950-974 | 3 | 957 | 11.5 | 10126 | 352.3 | 1.16 |
| 975-999 | 4 | 982 | 9.1 | 10775 | 525.2 | 1.14 |
| 1000-1024 | 5 | 1008 | 9.1 | 11400 | 2478.6 | 1.11 |
| 1025-1049 | 3 | 1025 | - | 11700 | 900.0 | 1.07 |
| 1050-1074 | 1 | 1050 | - | 13900 | - | 1.20 |
| 1100-1124 | 2 | 1114 | 1.4 | 18100 | 2687.0 | 1.31 |
| 1150-1175 | 2 | 1157 | 9.2 | 18850 | 2616.3 | 1.22 |
| 1200-1224 | 1 | 1200 | - | 19500 | - | 1.13 |
| Total | 29 | - | - | - | - | - |
| Mean | - | 982 | 119.8 | 11532 | 4099.8 | 1.17 |

Table 15. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for dead sampled lake trout from experimental nets at Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 325-349 | 1 | 329 | - | 450 | - | 1.26 | 1 | N/A | - | N/A | - | - |
| 350-374 | 3 | 365 | 4.4 | 550 | 86.6 | 1.13 | 2 | | - | | - | 1 |
| 375-399 | 6 | 392 | 7.9 | 650 | 104.9 | 1.07 | 4 | | 2 | | 0.5 | - |
| 400-424 | 6 | 410 | 8.8 | 792 | 49.2 | 1.15 | 2 | | 4 | | 2.0 | - |
| 425-449 | 9 | 437 | 5.5 | 878 | 93.9 | 1.05 | 4 | | 5 | | 1.2 | - |
| 450-474 | 8 | 463 | 7.6 | 1200 | 218.8 | 1.21 | 3 | | 5 | | 1.7 | - |
| 475-499 | 6 | 482 | 5.6 | 1258 | 156.3 | 1.13 | 2 | | 4 | | 2.0 | - |
| 500-524 | 2 | 521 | 0.7 | 1425 | 106.1 | 1.01 | 1 | | 1 | | 1.0 | - |
| 525-549 | 7 | 536 | 9.2 | 1586 | 167.6 | 1.03 | 1 | | 6 | | 6.0 | - |
| 550-574 | 6 | 562 | 9.6 | 2208 | 213.1 | 1.24 | 3 | | 3 | | 1.0 | - |
| 575-599 | 4 | 588 | 9.3 | 2125 | 95.7 | 1.05 | 3 | | 1 | | 3.0 | - |
| 600-624 | 1 | 612 | - | 2150 | - | 0.94 | 1 | | - | | - | - |
| 675-699 | 1 | 676 | - | 3050 | - | 0.99 | - | | 1 | | - | - |
| 700-724 | 1 | 710 | - | 3900 | - | 1.09 | 1 | | - | | - | - |
| 750-774 | 1 | 760 | - | 4900 | - | 1.12 | - | | 1 | | - | - |
| Total | 62 | - | - | - | - | - | 28 | - | 33 | - | 1.2 | 1 |
| Mean | - | 485 | 86.6 | 1379 | 816.1 | 1.11 | - | - | - | - | - | - |

Table 16. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel and dead sampled lake trout from experimental nets at Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 325-349 | 1 | 329 | - | 450 | - | 1.26 | 1 | N/A | - | - | - | - |
| 350-374 | 3 | 365 | 4.4 | 550 | 86.6 | 1.13 | 2 | | - | - | - | 1 |
| 375-399 | 8 | 391 | 9.2 | 650 | 92.6 | 1.09 | 5 | | 3 | 0 | 0.6 | - |
| 400-424 | 7 | 412 | 9.2 | 793 | 45.0 | 1.14 | 2 | | 5 | 0 | 2.5 | - |
| 425-449 | 9 | 437 | 5.5 | 878 | 93.9 | 1.05 | 4 | | 5 | 0 | 1.2 | - |
| 450-474 | 11 | 462 | 7.9 | 1259 | 384.6 | 1.27 | 4 | | 7 | 0 | 1.8 | - |
| 475-499 | 18 | 485 | 6.9 | 1336 | 169.6 | 1.17 | 7 | | 11 | 0 | 1.6 | - |
| 500-524 | 6 | 513 | 9.4 | 1525 | 291.1 | 1.13 | 2 | | 4 | 0 | 2.0 | - |
| 525-549 | 15 | 535 | 7.5 | 1730 | 224.2 | 1.13 | 5 | | 10 | 0 | 2.0 | - |
| 550-574 | 26 | 564 | 6.3 | 2300 | 312.4 | 1.28 | 14 | | 12 | 8 | 0.9 | - |
| 575-599 | 26 | 589 | 6.2 | 2631 | 364.4 | 1.29 | 16 | | 10 | 10 | 0.6 | - |
| 600-624 | 33 | 612 | 7.6 | 2941 | 423.1 | 1.28 | 20 | | 13 | 31 | 0.7 | - |
| 625-649 | 42 | 636 | 7.2 | 3225 | 329.7 | 1.25 | 19 | | 23 | 48 | 1.2 | - |
| 650-674 | 38 | 660 | 6.5 | 3667 | 596.2 | 1.27 | 17 | | 21 | 43 | 1.2 | - |
| 675-699 | 39 | 685 | 6.6 | 3894 | 500.7 | 1.21 | 16 | | 23 | 39 | 1.4 | - |
| 700-724 | 32 | 713 | 6.9 | 4292 | 552.0 | 1.18 | 9 | | 23 | 57 | 2.6 | - |
| 725-749 | 21 | 736 | 5.9 | 4676 | 681.0 | 1.17 | 7 | | 14 | 50 | 2.0 | - |
| 750-774 | 6 | 758 | 7.4 | 5058 | 285.3 | 1.16 | 2 | | 4 | 0 | 2.0 | - |
| 775-799 | 12 | 785 | 7.4 | 5333 | 460.9 | 1.10 | 5 | | 7 | 14 | 1.4 | - |
| 800-824 | 10 | 811 | 7.7 | 6290 | 1286.4 | 1.18 | 2 | | 5 | 12 | 4.0 | - |
| 825-849 | 6 | 833 | 8.8 | 6650 | 632.5 | 1.15 | 2 | | 4 | 50 | 2.0 | - |
| 850-874 | 3 | 858 | 9.2 | 6633 | 431.1 | 1.05 | 2 | | 1 | 0 | 0.5 | - |
| 875-899 | 2 | 890 | 7.1 | 7725 | 176.8 | 1.10 | - | | 2 | 50 | - | - |
| 900-924 | 1 | 922 | - | 8150 | - | 1.04 | - | | 1 | 0 | - | - |
| 925-949 | 2 | 941 | 7.8 | 8775 | 318.2 | 1.06 | - | | 2 | 0 | - | - |
| 950-974 | 1 | 970 | - | 9750 | - | 1.07 | - | | 1 | 0 | - | - |
| 975-999 | 1 | 987 | - | 10050 | - | 1.05 | 1 | | - | - | - | - |
| 1025-1049 | 1 | 1034 | - | 11400 | - | 1.03 | - | | 1 | 0 | - | - |
| Total | 380 | - | - | - | - | - | 164 | - | 215 | 28 | 1.3 | 1 |
| Mean | - | 633 | 115.6 | 3344 | 1704.3 | 1.21 | - | - | - | - | - | - |

Table 17. . Mean fork length, mean weight and condition factor by length interval for live sampled lake trout from experimental nets at Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 300-324 | 3 | 321 | 2.3 | 417 | 28.9 | 1.26 |
| 325-349 | 4 | 340 | 4.2 | 463 | 143.6 | 1.18 |
| 350-374 | 9 | 365 | 7.5 | 800 | 527.2 | 1.65 |
| 375-399 | 11 | 386 | 7.7 | 718 | 98.2 | 1.25 |
| 400-424 | 26 | 410 | 7.8 | 837 | 214.3 | 1.21 |
| 425-449 | 12 | 436 | 7.0 | 1027 | 240.6 | 1.24 |
| 450-474 | 14 | 463 | 5.1 | 1204 | 146.1 | 1.21 |
| 475-499 | 5 | 485 | 5.5 | 1513 | 188.7 | 1.32 |
| 500-524 | 12 | 512 | 6.4 | 1688 | 395.5 | 1.26 |
| 525-549 | 14 | 535 | 6.3 | 1925 | 281.3 | 1.26 |
| 550-574 | 8 | 558 | 7.7 | 2238 | 314.8 | 1.29 |
| 575-599 | 11 | 585 | 6.1 | 2764 | 307.5 | 1.38 |
| 600-624 | 11 | 607 | 6.4 | 2796 | 350.3 | 1.25 |
| 625-649 | 8 | 638 | 7.9 | 3063 | 447.0 | 1.19 |
| 650-674 | 4 | 661 | 5.5 | 2850 | 717.6 | 0.99 |
| 675-699 | 6 | 679 | 3.5 | 3525 | 180.9 | 1.13 |
| 700-724 | 6 | 709 | 7.8 | 4150 | 626.1 | 1.17 |
| 725-749 | 5 | 741 | 7.7 | 4570 | 222.5 | 1.12 |
| 750-774 | 6 | 758 | 7.3 | 4817 | 362.9 | 1.10 |
| 775-799 | 5 | 789 | 2.0 | 5670 | 834.1 | 1.19 |
| 800-824 | 5 | 811 | 6.9 | 6480 | 410.2 | 1.21 |
| 825-849 | 2 | 843 | 3.5 | 6750 | 353.6 | 1.13 |
| 850-874 | 7 | 864 | 5.3 | 8371 | 714.1 | 1.30 |
| 900-924 | 4 | 908 | 9.6 | 8163 | 1718.2 | 1.09 |
| 925-949 | 1 | 925 | - | 12000 | - | 1.52 |
| 950-974 | 2 | 950 | - | 9450 | 1414.2 | 1.10 |
| Total | 201 | - | - | - | - | - |
| Mean | - | 558 | 159.9 | 2649 | 2305.5 | 1.21 |

Table 18. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled and trophy lake trout from Branson's Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. of Trophies |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 375-399 | 2 | 385 | 14.1 | 650 | 70.7 | 1.14 | 1 | N/A | 1 | 0 | 1.0 | - |
| 400-424 | 1 | 422 | - | 800 | - | 1.06 | - | | 1 | 0 | - | - |
| 450-474 | 3 | 460 | 10.0 | 1417 | 721.7 | 1.43 | 1 | | 2 | 0 | 2.0 | - |
| 475-499 | 12 | 487 | 7.1 | 1375 | 168.5 | 1.19 | 5 | | 7 | 0 | 1.4 | - |
| 500-524 | 4 | 510 | 9.7 | 1575 | 357.1 | 1.19 | 1 | | 3 | 0 | 3.0 | - |
| 525-549 | 8 | 535 | 6.3 | 1856 | 193.5 | 1.21 | 4 | | 4 | 0 | 1.0 | - |
| 550-574 | 21 | 564 | 5.2 | 2324 | 328.1 | 1.30 | 11 | | 9 | 11 | 0.8 | 1 |
| 575-599 | 22 | 589 | 5.8 | 2723 | 315.0 | 1.33 | 13 | | 9 | 11 | 0.7 | - |
| 600-624 | 32 | 612 | 7.7 | 2966 | 404.9 | 1.29 | 19 | | 13 | 31 | 0.7 | - |
| 625-649 | 42 | 636 | 7.2 | 3225 | 329.7 | 1.25 | 19 | | 23 | 48 | 1.2 | - |
| 650-674 | 38 | 660 | 6.5 | 3667 | 596.2 | 1.27 | 17 | | 21 | 43 | 1.2 | - |
| 675-699 | 38 | 686 | 6.5 | 3916 | 487.6 | 1.22 | 16 | | 22 | 41 | 1.4 | - |
| 700-724 | 31 | 713 | 7.0 | 4305 | 556.4 | 1.19 | 8 | | 23 | 57 | 2.9 | - |
| 725-749 | 21 | 736 | 5.9 | 4676 | 681.1 | 1.17 | 7 | | 14 | 50 | 2.0 | - |
| 750-774 | 5 | 757 | 8.1 | 5090 | 307.0 | 1.17 | 2 | | 3 | 0 | 1.5 | - |
| 775-799 | 12 | 785 | 7.4 | 5333 | 460.9 | 1.10 | 5 | | 7 | 14 | 1.4 | - |
| 800-824 | 10 | 811 | 7.7 | 6290 | 1286.4 | 1.18 | 2 | | 8 | 12 | 4.0 | - |
| 825-849 | 7 | 835 | 10.0 | 6771 | 660.7 | 1.16 | 2 | | 4 | 50 | 2.0 | 1 |
| 850-874 | 3 | 858 | 9.2 | 6633 | 431.1 | 1.05 | 2 | | 1 | 0 | 0.5 | - |
| 875-899 | 5 | 886 | 8.2 | 8150 | 911.0 | 1.17 | - | | 2 | 50 | - | 3 |
| 900-924 | 3 | 907 | 12.7 | 8550 | 1201.4 | 1.15 | - | | 1 | 0 | - | 2 |
| 925-949 | 3 | 935 | 10.5 | 8850 | 259.8 | 1.08 | - | | 2 | 0 | - | 1 |
| 950-974 | 4 | 960 | 11.5 | 10032 | 343.8 | 1.13 | - | | 1 | 0 | - | 3 |
| 975-999 | 5 | 983 | 8.2 | 10630 | 558.6 | 1.12 | 1 | | - | - | - | 4 |
| 1000-1024 | 5 | 1008 | 9.1 | 11400 | 2478.7 | 1.11 | - | | - | - | - | 5 |
| 1025-1049 | 4 | 1027 | 4.5 | 11625 | 750.0 | 1.07 | - | | 1 | 0 | - | 3 |
| 1050-1074 | 1 | 1050 | - | 13900 | - | 1.20 | - | | - | - | - | 1 |
| 1100-1124 | 2 | 1114 | 1.4 | 18100 | 2687.0 | 1.31 | - | | - | - | - | 2 |
| 1150-1174 | 2 | 1157 | 9.2 | 18850 | 2616.3 | 1.22 | - | | - | - | - | 2 |
| 1200-1224 | 1 | 1200 | - | 19500 | - | 1.13 | - | | - | - | - | 1 |
| Total | 347 | - | - | - | - | - | 136 | - | 182 | 33 | 1.3 | 29 |
| Mean | - | 688.6 | 132.9 | 4379.0 | 2877.0 | 1.22 | - | - | - | - | - | - |

Table 19. Mean fork length, mean weight and condition factor by length interval for all lake trout at Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 100-124 | 1 | 113 | - | 70 | - | - |
| 125-149 | - | - | - | - | - | - |
| 150-174 | 6 | 170 | 2.9 | 52 | 8.8 | 1.06 |
| 175-199 | 18 | 186 | 8.0 | 67 | 12.8 | 1.04 |
| 200-224 | 20 | 210 | 7.2 | 95 | 19.3 | 1.03 |
| 225-249 | 14 | 237 | 6.5 | 140 | 36.5 | 0.97 |
| 250-274 | 5 | 261 | 8.7 | 179 | 54.5 | 1.00 |
| 275-299 | 7 | 284 | 6.3 | 261 | 20.3 | 1.15 |
| 300-324 | 3 | 306 | 7.9 | 224 | 103.5 | 0.78 |
| 325-349 | 2 | 344 | 5.6 | 475 | 35.3 | 1.17 |
| 350-374 | 4 | 358 | 6.1 | 462 | 62.9 | 1.00 |
| 375-399 | 13 | 389 | 6.9 | 663 | 200.7 | 1.13 |
| 400-424 | 13 | 411 | 8.9 | 815 | 131.3 | 1.17 |
| 425-449 | 14 | 441 | 5.0 | 1057 | 156.7 | 1.23 |
| 450-474 | 25 | 463 | 5.8 | 1174 | 177.4 | 1.18 |
| 475-499 | 42 | 488 | 7.3 | 1426 | 214.5 | 1.23 |
| 500-524 | 58 | 512 | 7.2 | 1630 | 214.4 | 1.22 |
| 525-549 | 86 | 538 | 7.2 | 2019 | 319.7 | 1.28 |
| 550-574 | 107 | 561 | 7.2 | 2318 | 393.3 | 1.31 |
| 575-599 | 125 | 586 | 6.8 | 2638 | 355.3 | 1.31 |
| 600-624 | 100 | 612 | 7.4 | 3037 | 546.4 | 1.33 |
| 625-649 | 89 | 636 | 7.2 | 3328 | 548.1 | 1.29 |
| 650-674 | 76 | 662 | 7.3 | 3833 | 574.7 | 1.32 |
| 675-699 | 65 | 684 | 8.0 | 4237 | 514.9 | 1.32 |
| 700-724 | 61 | 710 | 6.7 | 4900 | 569.4 | 1.37 |
| 725-749 | 59 | 735 | 6.6 | 5337 | 678.9 | 1.34 |
| 750-774 | 35 | 761 | 7.2 | 5867 | 942.8 | 1.33 |
| 775-799 | 25 | 785 | 8.1 | 6460 | 759.1 | 1.34 |
| 800-824 | 21 | 812 | 8.6 | 7152 | 804.4 | 1.34 |
| 825-849 | 11 | 839 | 6.7 | 6982 | 825.6 | 1.18 |
| 850-874 | 14 | 865 | 5.9 | 8494 | 1285.1 | 1.31 |
| 875-899 | 8 | 885 | 7.2 | 8869 | 1403.8 | 1.28 |
| 900-924 | 11 | 913 | 6.7 | 9410 | 1427.6 | 1.23 |
| 925-949 | 8 | 939 | 4.7 | 11081 | 1929.6 | 1.34 |
| 950-974 | 7 | 966 | 8.7 | 10450 | 450.0 | 1.16 |
| 975-999 | 11 | 985 | 6.5 | 11504 | 1543.4 | 1.20 |
| 1000-1024 | 8 | 1014 | 6.0 | 13087 | 911.7 | 1.25 |
| 1025-1049 | - | - | - | - | - | - |
| 1050-1074 | 2 | 1066 | - | 10825 | 318.2 | 0.89 |
| 1075-1099 | - | - | - | - | - | - |
| 1100-1124 | - | - | - | - | - | - |
| 1125-1149 | 1 | 1143 | - | 15450 | - | 1.03 |
| Total | 1175 | - | - | - | - | - |
| Mean | - | 607 | 157.1 | 3471 | 2470.7 | 1.28 |

Table 20. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled lake trout from Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 400-424 | 1 | 400 | - | 700 | - | 1.09 | - | - | - | - | - | 1 |
| 425-449 | 1 | 437 | - | 900 | - | 1.08 | - | - | 1 | 0 | - | - |
| 450-474 | 7 | 465 | 7.4 | 1050 | 152.7 | 1.04 | 5 | 0 | 2 | 0 | 0.4 | - |
| 475-499 | 16 | 488 | 7.5 | 1314 | 158.1 | 1.13 | 8 | 0 | 8 | 0 | 1.0 | - |
| 500-524 | 27 | 511 | 6.4 | 1552 | 176.8 | 1.16 | 14 | 7 | 13 | 8 | 0.9 | - |
| 525-549 | 37 | 538 | 7.3 | 1911 | 276.4 | 1.22 | 14 | 36 | 22 | 32 | 1.6 | 1 |
| 550-574 | 50 | 562 | 7.4 | 2241 | 293.6 | 1.26 | 27 | 22 | 22 | 27 | 0.8 | 1 |
| 575-599 | 55 | 586 | 6.9 | 2473 | 295.8 | 1.22 | 28 | 39 | 27 | 30 | 1.0 | - |
| 600-624 | 54 | 612 | 7.6 | 2880 | 368.7 | 1.26 | 28 | 25 | 26 | 35 | 0.9 | - |
| 625-649 | 46 | 637 | 7.7 | 3215 | 399.4 | 1.24 | 24 | 29 | 22 | 45 | 0.9 | - |
| 650-674 | 32 | 662 | 6.5 | 3797 | 433.8 | 1.30 | 18 | 50 | 14 | 43 | 0.8 | - |
| 675-699 | 28 | 685 | 9.1 | 4092 | 434.1 | 1.27 | 11 | 18 | 17 | 53 | 1.5 | - |
| 700-724 | 29 | 711 | 7.7 | 4855 | 501.8 | 1.35 | 14 | 64 | 15 | 40 | 1.1 | - |
| 725-749 | 28 | 737 | 7.2 | 5081 | 575.2 | 1.27 | 14 | 57 | 14 | 36 | 1.0 | - |
| 750-774 | 11 | 763 | 8.7 | 5732 | 581.9 | 1.29 | 4 | 50 | 7 | 71 | 1.8 | - |
| 775-799 | 10 | 787 | 9.2 | 6220 | 499.0 | 1.27 | 4 | 100 | 6 | 83 | 1.5 | - |
| 800-824 | 10 | 812 | 9.1 | 6800 | 392.3 | 1.27 | 8 | 100 | 2 | 100 | 0.3 | - |
| 825-849 | 6 | 837 | 5.6 | 6767 | 535.4 | 1.16 | 4 | 100 | 2 | 100 | 0.5 | - |
| 850-874 | 4 | 865 | 8.6 | 7900 | 648.1 | 1.22 | 2 | 100 | 2 | 100 | 1.0 | - |
| 875-899 | - | - | - | - | - | - | - | - | - | - | - | - |
| 900-924 | 2 | 907 | 10.6 | 7950 | 70.7 | 1.06 | 1 | 100 | 1 | 0 | 1.0 | - |
| Total | 454 | - | - | - | - | - | 228 | 35 | 223 | 37 | 1.0 | 3 |
| Mean | - | 627 | 90.4 | 3292 | 1551.0 | 1.25 | - | - | - | - | - | - |

Table 21. Mean fork length, mean weight and condition factor by length interval for live and dead sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor |
|---|---|---|---|---|---|---|
| 150-174 | 6 | 170 | 2.9 | 52 | 8.8 | 1.06 |
| 175-199 | 18 | 186 | 8.0 | 67 | 12.8 | 1.04 |
| 200-224 | 20 | 210 | 7.2 | 95 | 19.3 | 1.03 |
| 225-249 | 14 | 237 | 6.5 | 139 | 36.5 | 0.97 |
| 250-274 | 5 | 261 | 8.7 | 179 | 54.6 | 0.99 |
| 275-299 | 7 | 284 | 6.3 | 261 | 20.3 | 1.15 |
| 300-324 | 3 | 306 | 7.9 | 224 | 103.5 | 0.78 |
| 325-349 | 2 | 344 | 5.6 | 475 | 35.3 | 1.17 |
| 350-374 | 4 | 358 | 6.1 | 462 | 63.9 | 1.00 |
| 375-399 | 13 | 389 | 6.9 | 663 | 200.7 | 1.13 |
| 400-424 | 12 | 412 | 8.6 | 825 | 132.3 | 1.18 |
| 425-449 | 13 | 442 | 5.0 | 1069 | 156.2 | 1.24 |
| 450-474 | 18 | 463 | 5.2 | 1222 | 165.6 | 1.23 |
| 475-499 | 26 | 488 | 7.4 | 1495 | 217.9 | 1.29 |
| 500-524 | 31 | 512 | 7.9 | 1698 | 223.4 | 1.27 |
| 525-549 | 49 | 538 | 7.1 | 2101 | 328.4 | 1.32 |
| 550-574 | 57 | 563 | 7.2 | 2386 | 455.4 | 1.35 |
| 575-599 | 70 | 586 | 6.8 | 2767 | 345.9 | 1.37 |
| 600-624 | 46 | 611 | 7.1 | 3222 | 657.5 | 1.41 |
| 625-649 | 43 | 636 | 6.6 | 3449 | 655.4 | 1.34 |
| 650-674 | 44 | 661 | 7.9 | 3859 | 662.3 | 1.33 |
| 675-699 | 37 | 683 | 7.1 | 4347 | 548.9 | 1.36 |
| 700-724 | 32 | 710 | 5.7 | 4940 | 629.7 | 1.38 |
| 725-749 | 31 | 734 | 5.7 | 5567 | 690.9 | 1.41 |
| 750-774 | 24 | 761 | 6.5 | 5929 | 1074.3 | 1.35 |
| 775-799 | 15 | 783 | 7.0 | 6620 | 871.3 | 1.38 |
| 800-824 | 9 | 810 | 8.4 | 7711 | 770.9 | 1.45 |
| 825-849 | 5 | 842 | 7.5 | 7240 | 1092.2 | 1.21 |
| 850-874 | 10 | 865 | 5.0 | 8732 | 1423.2 | 1.35 |
| 875-899 | 7 | 885 | 7.7 | 8878 | 1515.9 | 1.28 |
| 900-924 | 2 | 921 | 1.4 | 11730 | 1880.9 | 1.50 |
| 925-949 | 3 | 941 | 6.0 | 10267 | 642.9 | 1.23 |
| 950-974 | - | - | - | - | - | - |
| 975-999 | 2 | 991 | 8.5 | 12200 | 2545.6 | 1.26 |
| Total | 678 | - | - | - | - | - |
| Mean | - | 572 | 166.0 | 3127 | 2253.1 | 1.30 |

Table 22. Mean fork length, mean weight and condition factor by length interval for trophy lake trout from Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 800-824 | 2 | 820 | - | 6400 | 1272.8 | 1.16 |
| 825-849 | - | - | - | - | - | |
| 850-874 | - | - | - | - | - | - |
| 875-899 | 1 | 883 | - | 8800 | - | - |
| 900-924 | 7 | 912 | 4.8 | 9164 | 481.1 | 1.28 |
| 925-949 | 5 | 938 | 4.5 | 11570 | 2348.0 | 1.21 |
| 950-974 | 7 | 966 | 8.7 | 10450 | 450.0 | 1.40 |
| 975-999 | 9 | 983 | 5.6 | 11350 | 1421.3 | 1.16 |
| 1000-1024 | - | - | - | - | - | 1.19 |
| 1025-1049 | 8 | 1014 | 5.9 | 13087 | 911.7 | - |
| 1050-1074 | 2 | 1066 | - | 10825 | 318.2 | 1.25 |
| 1075-1099 | - | - | - | - | - | 0.89 |
| 1100-1124 | - | - | - | - | - | - |
| 1125-1149 | 1 | 1143 | - | 15450 | - | - |
| Total | 42 | - | - | - | - | 1.03 |
| Mean | - | 967 | 60.0 | 10969 | 2087 | 1.21 |

Table 23. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for dead sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-124 | 1 | 113 | - | 70 | - | - | - | - | - | - | - | 1 |
| 125-149 | - | - | - | - | - | - | - | - | - | - | - | - |
| 150-174 | 6 | 170 | 2.9 | 52 | 8.8 | 1.06 | - | - | 1 | 0 | - | 5 |
| 175-199 | 17 | 185 | 7.9 | 65 | 10.1 | 1.02 | - | - | - | - | - | 17 |
| 200-224 | 18 | 210 | 7.3 | 92 | 17.3 | 0.99 | 1 | 0 | 1 | 0 | 1.0 | 16 |
| 225-249 | 11 | 236 | 6.0 | 127 | 16.9 | 0.96 | 2 | 0 | 3 | 0 | 1.5 | 6 |
| 250-274 | 5 | 261 | 8.8 | 179 | 54.6 | 1.00 | 1 | 0 | - | - | - | 4 |
| 275-299 | 6 | 284 | 6.6 | 255 | 12.2 | 1.11 | - | - | 2 | 0 | - | 4 |
| 300-324 | 3 | 306 | 7.9 | 224 | 103.5 | 0.78 | - | - | 1 | 0 | - | 2 |
| 325-349 | 1 | 348 | - | 450 | - | 1.07 | 1 | 0 | - | - | - | - |
| 350-374 | 3 | 360 | 5.5 | 467 | 76.4 | 0.99 | 1 | 0 | 2 | 0 | 2.0 | - |
| 375-399 | 6 | 391 | 9.2 | 571 | 148.7 | 0.95 | 2 | 0 | 4 | 0 | 2.0 | - |
| 400-424 | 8 | 410 | 7.5 | 775 | 119.5 | 1.12 | 3 | 33 | 4 | 0 | 1.3 | 1 |
| 425-449 | 5 | 446 | 3.2 | 1010 | 143.2 | 1.13 | 1 | 0 | 4 | 25 | 4.0 | - |
| 450-474 | 7 | 463 | 6.2 | 1193 | 127.2 | 1.20 | 5 | 0 | 2 | 0 | 0.4 | - |
| 475-499 | 7 | 485 | 7.7 | 1418 | 324.9 | 1.25 | 4 | 0 | 3 | 33 | 0.7 | - |
| 500-524 | 13 | 511 | 8.7 | 1638 | 202.2 | 1.27 | 1 | 0 | 12 | 17 | 12.0 | - |
| 525-549 | 5 | 539 | 8.9 | 2150 | 165.8 | 1.38 | 2 | 50 | 3 | 100 | 1.5 | - |
| 550-574 | 6 | 557 | 7.4 | 2250 | 314.6 | 1.30 | 1 | 100 | 5 | 20 | 5.0 | - |
| 575-599 | 15 | 585 | 8.0 | 2663 | 342.0 | 1.33 | 5 | 40 | 10 | 60 | 2.0 | - |
| 600-624 | 11 | 608 | 6.1 | 3036 | 644.2 | 1.35 | 2 | 100 | 9 | 22 | 4.5 | - |
| 625-649 | 5 | 638 | 4.1 | 3460 | 501.7 | 1.33 | 2 | 100 | 3 | 67 | 1.5 | - |
| 650-674 | 5 | 662 | 11.8 | 3870 | 420.7 | 1.33 | 4 | 50 | 1 | 0 | 0.2 | - |
| 675-699 | 2 | 679 | 4.9 | 4800 | 282.8 | 1.53 | 1 | 100 | 1 | 0 | 1.0 | - |
| 700-724 | 1 | 709 | - | 4950 | - | 1.39 | - | - | 1 | 0 | - | - |
| 725-749 | 3 | 734 | 10.9 | 5650 | 507.4 | 1.42 | - | - | 3 | 100 | - | - |
| 750-774 | 3 | 763 | 7.6 | 5967 | 814.4 | 1.35 | 1 | 100 | 2 | 50 | 2.0 | - |
| 775-799 | 1 | 776 | - | 6500 | - | 1.39 | - | - | 1 | 100 | - | - |
| 800-824 | 2 | 807 | 9.2 | 7225 | 318.2 | 1.37 | - | - | 2 | 100 | - | - |
| 825-849 | - | - | - | - | - | - | - | - | - | - | - | - |
| 850-874 | - | - | - | - | - | - | - | - | - | - | - | - |
| 875-899 | 1 | 889 | - | 11200 | 1.59 | - | 1 | 100 | - | - | - | - |
| Total | 177 | - | - | - | - | - | 41 | 34 | 80 | 31 | 1.9 | 56 |
| Mean | - | 424 | 185.4 | 1579 | 1822.0 | 1.18 | - | - | - | - | - | - |

Table 24. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel and dead sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 100-124 | 1 | 113 | - | 70 | - | - | - | - | - | - | - | 1 |
| 125-149 | - | - | - | - | - | - | - | - | - | - | - | - |
| 150-174 | 6 | 170 | 2.9 | 52 | 8.8 | 1.06 | - | - | 1 | 0 | - | 5 |
| 175-199 | 17 | 185 | 7.9 | 65 | 10.1 | 1.02 | - | - | 1 | 0 | - | 17 |
| 200-224 | 18 | 210 | 7.3 | 92 | 17.3 | 0.99 | 1 | 0 | - | - | - | 16 |
| 225-249 | 11 | 237 | 5.9 | 127 | 16.9 | 0.96 | 2 | 0 | 3 | 0 | 1.5 | 6 |
| 250-274 | 5 | 261 | 8.7 | 179 | 54.6 | 0.99 | 1 | 0 | - | - | - | 4 |
| 275-299 | 6 | 284 | 6.6 | 255 | 12.2 | 1.11 | - | - | 2 | 0 | - | 4 |
| 300-324 | 3 | 306 | 7.9 | 224 | 103.5 | 0.78 | - | - | 1 | 0 | - | 2 |
| 325-349 | 1 | 348 | - | 450 | - | 1.07 | 1 | 0 | - | - | - | - |
| 350-374 | 3 | 360 | 5.5 | 467 | 76.4 | 0.99 | 1 | 0 | 2 | 0 | 2.0 | - |
| 375-399 | 6 | 391 | 9.2 | 570 | 148.7 | 0.95 | 2 | 0 | 4 | 0 | 2.0 | - |
| 400-424 | 9 | 409 | 7.7 | 767 | 114.5 | 1.12 | 3 | 33 | 4 | 0 | 1.3 | 2 |
| 425-449 | 6 | 445 | 4.8 | 992 | 135.7 | 1.12 | 1 | 0 | 5 | 20 | 5.0 | - |
| 450-474 | 14 | 464 | 6.6 | 1121 | 154.1 | 1.12 | 10 | 0 | 4 | 0 | 0.4 | - |
| 475-499 | 23 | 487 | 7.5 | 1345 | 219.6 | 1.17 | 12 | 0 | 11 | 9 | 0.9 | - |
| 500-524 | 40 | 511 | 7.1 | 1580 | 187.3 | 1.18 | 15 | 7 | 25 | 12 | 1.7 | - |
| 525-549 | 42 | 538 | 7.4 | 1939 | 275.5 | 1.24 | 16 | 6 | 25 | 40 | 1.6 | 1 |
| 550-574 | 56 | 561 | 7.4 | 2242 | 292.9 | 1.27 | 28 | 21 | 27 | 26 | 1.0 | 1 |
| 575-599 | 70 | 586 | 7.1 | 2514 | 313.7 | 1.25 | 33 | 24 | 37 | 38 | 1.1 | - |
| 600-624 | 65 | 611 | 7.5 | 2906 | 425.3 | 1.27 | 30 | 43 | 35 | 31 | 1.2 | - |
| 625-649 | 51 | 637 | 7.4 | 3239 | 411.2 | 1.25 | 26 | 35 | 25 | 48 | 1.0 | - |
| 650-674 | 37 | 662 | 7.2 | 3806 | 427.1 | 1.31 | 22 | 50 | 15 | 40 | 0.7 | - |
| 675-699 | 30 | 685 | 8.9 | 4139 | 458.8 | 1.29 | 12 | 25 | 18 | 50 | 1.5 | - |
| 700-724 | 30 | 711 | 7.6 | 4858 | 493.4 | 1.35 | 14 | 64 | 16 | 38 | 1.1 | - |
| 725-749 | 31 | 736 | 7.4 | 5136 | 586.6 | 1.28 | 14 | 57 | 17 | 47 | 1.2 | - |
| 750-774 | 14 | 763 | 8.2 | 5782 | 610.4 | 1.30 | 5 | 60 | 9 | 67 | 1.8 | - |
| 775-799 | 11 | 786 | 9.4 | 6245 | 480.9 | 1.28 | 4 | 100 | 7 | 86 | 1.8 | - |
| 800-824 | 12 | 811 | 8.8 | 6871 | 403.1 | 1.29 | 8 | 100 | 4 | 100 | 0.5 | - |
| 825-849 | 6 | 837 | 5.6 | 6767 | 535.4 | 1.16 | 4 | 100 | 2 | 100 | 0.5 | - |
| 850-874 | 4 | 865 | 8.6 | 7900 | 648.1 | 1.22 | 2 | 100 | 2 | 100 | 1.0 | - |
| 875-899 | 1 | 889 | - | 11200 | - | 1.59 | 1 | 100 | - | - | - | - |
| 900-924 | 2 | 907 | 10.6 | 7950 | 70.7 | 1.06 | 1 | 100 | 1 | 0 | 1.0 | - |
| Total | 631 | - | - | - | - | - | 269 | 35 | 303 | 36 | 1.1 | 59 |
| Mean | - | 570 | 154.3 | 2811 | 1802.8 | 1.23 | - | - | - | - | - | - |

Table 25. Mean fork length, mean weight and condition factor by length interval for live sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) Mean | SD | Weight (g) Mean | SD | Condition Factor |
|---|---|---|---|---|---|---|
| 175-199 | 1 | 195 | - | 100 | - | 1.35 |
| 200-224 | 2 | 208 | 8.5 | 125 | - | 1.40 |
| 225-249 | 4 | 238 | 8.6 | 187 | 55.1 | 0.99 |
| 250-274 | - | - | - | - | - | - |
| 275-299 | 1 | 280 | - | 300 | - | 1.37 |
| 300-324 | - | - | - | - | - | - |
| 325-349 | 1 | 340 | - | 500 | - | 1.27 |
| 350-374 | 1 | 352 | - | 450 | - | 1.03 |
| 375-399 | 7 | 387 | 4.2 | 743 | 214.9 | 1.28 |
| 400-424 | 4 | 417 | 9.9 | 925 | 104.1 | 1.29 |
| 425-449 | 8 | 439 | 3.6 | 1106 | 161.3 | 1.31 |
| 450-474 | 11 | 463 | 4.9 | 1241 | 189.5 | 1.25 |
| 475-499 | 19 | 489 | 7.0 | 1524 | 166.1 | 1.30 |
| 500-524 | 18 | 512 | 7.5 | 1742 | 233.4 | 1.29 |
| 525-549 | 45 | 538 | 7.0 | 2095 | 342.8 | 1.31 |
| 550-574 | 51 | 562 | 7.1 | 2403 | 468.9 | 1.35 |
| 575-599 | 55 | 586 | 6.5 | 2796 | 344.6 | 1.39 |
| 600-624 | 35 | 612 | 7.2 | 3280 | 659.9 | 1.43 |
| 625-649 | 38 | 636 | 6.9 | 3447 | 678.5 | 1.34 |
| 650-674 | 39 | 661 | 7.5 | 3859 | 691.2 | 1.33 |
| 675-699 | 35 | 683 | 7.2 | 4321 | 551.2 | 1.35 |
| 700-724 | 31 | 710 | 5.8 | 4940 | 640.1 | 1.38 |
| 725-749 | 28 | 734 | 5.2 | 5559 | 714.5 | 1.41 |
| 750-774 | 21 | 760 | 6.5 | 5924 | 1122.8 | 1.35 |
| 775-799 | 14 | 784 | 7.0 | 6628 | 903.5 | 1.38 |
| 800-824 | 7 | 810 | 8.9 | 7850 | 821.7 | 1.47 |
| 825-849 | 5 | 842 | 7.5 | 7240 | 1092.2 | 1.21 |
| 850-874 | 10 | 865 | 5.0 | 8732 | 1423.2 | 1.35 |
| 875-899 | 6 | 885 | 8.3 | 8492 | 1225.0 | 1.22 |
| 900-924 | 2 | 921 | 1.4 | 11730 | 1880.9 | 1.50 |
| 925-949 | 3 | 941 | 6.0 | 10266 | 642.9 | 1.23 |
| 950-974 | - | - | - | - | - | - |
| 975-999 | 2 | 991 | 8.5 | 12200 | 2545.6 | 1.26 |
| Total | 504 | - | - | - | - | - |
| Mean | - | 624 | 121.6 | 3673 | 2135.1 | 1.35 |

Table 26. Mean fork length, mean weight, condition factor, maturity and trophies by length interval for creel sampled and trophy lake trout from Plummer's Great Slave Lake Lodge, 1977.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | No. Trophies | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 400-424 | 1 | 400 | - | 700 | - | 1.09 | - | - | - | - | - | 1 |
| 425-449 | 1 | 437 | - | 900 | - | 1.08 | - | - | 1 | 0 | - | - |
| 450-474 | 7 | 465 | 7.4 | 1050 | 152.7 | 1.04 | 5 | 0 | 2 | 0 | - | - |
| 475-499 | 16 | 488 | 7.5 | 1314 | 158.1 | 1.13 | 8 | 0 | 8 | 0 | - | - |
| 500-524 | 27 | 511 | 6.4 | 1552 | 176.8 | 1.16 | 14 | 7 | 13 | 8 | - | - |
| 525-549 | 37 | 538 | 7.3 | 1911 | 276.4 | 1.22 | 14 | 36 | 22 | 32 | - | 1 |
| 550-574 | 50 | 562 | 7.4 | 2241 | 293.6 | 1.26 | 27 | 22 | 22 | 27 | - | 1 |
| 575-599 | 55 | 586 | 6.9 | 2473 | 295.8 | 1.22 | 28 | 39 | 27 | 30 | - | - |
| 600-624 | 54 | 612 | 7.6 | 2880 | 368.7 | 1.26 | 28 | 25 | 26 | 35 | - | - |
| 625-649 | 46 | 637 | 7.7 | 3215 | 399.4 | 1.24 | 24 | 29 | 22 | 45 | - | - |
| 650-674 | 32 | 662 | 6.5 | 3797 | 433.8 | 1.24 | 18 | 50 | 14 | 43 | - | - |
| 675-699 | 28 | 685 | 9.0 | 4092 | 434.1 | 1.27 | 11 | 18 | 17 | 53 | - | - |
| 700-724 | 29 | 711 | 7.7 | 4855 | 501.8 | 1.35 | 14 | 64 | 15 | 40 | - | - |
| 725-749 | 28 | 737 | 7.2 | 5081 | 575.2 | 1.27 | 14 | 57 | 14 | 36 | - | - |
| 750-774 | 11 | 763 | 8.7 | 5732 | 581.9 | 1.29 | 4 | 50 | 7 | 71 | - | - |
| 775-799 | 10 | 787 | 9.2 | 6220 | 498.9 | 1.27 | 4 | 100 | 6 | 83 | - | - |
| 800-824 | 12 | 813 | 8.8 | 6733 | 545.4 | 1.25 | 8 | 100 | 2 | 100 | 2 | - |
| 825-849 | 6 | 837 | 5.6 | 6767 | 535.4 | 1.16 | 4 | 100 | 2 | 100 | - | - |
| 850-874 | 4 | 865 | 8.6 | 7900 | 648.1 | 1.22 | 2 | 100 | 2 | 100 | - | - |
| 875-899 | 1 | 883 | - | 8800 | - | 1.28 | - | - | - | - | - | - |
| 900-924 | 9 | 911 | 5.9 | 8894 | 679.0 | 1.18 | 1 | 100 | 1 | 0 | 1 | - |
| 925-949 | 5 | 938 | 4.5 | 11570 | 2348.0 | 1.40 | - | - | - | - | 7 | - |
| 950-974 | 7 | 966 | 8.7 | 10450 | 450.0 | 1.16 | - | - | - | - | 5 | - |
| 975-999 | 9 | 983 | 5.6 | 11350 | 1421.3 | 1.19 | - | - | - | - | 7 | - |
| 1000-1024 | 8 | 1014 | 6.0 | 13087 | 911.7 | 1.25 | - | - | - | - | 9 | - |
| 1025-1049 | - | - | - | - | - | - | - | - | - | - | 8 | - |
| 1050-1074 | 2 | 1066 | - | 10825 | 318.2 | 0.89 | - | - | - | - | - | - |
| 1075-1099 | - | - | - | - | - | - | - | - | - | - | 2 | - |
| 1100-1124 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1125-1149 | 1 | 1143 | - | 15450 | - | 1.03 | - | - | - | - | 1 | - |
| Total | 496 | - | - | - | - | - | 228 | 35 | 223 | 37 | 42 | 3 |
| Mean | - | 656 | 129.4 | 3942 | 2672.0 | 1.24 | - | - | - | - | - | - |

Table 27. Mean fork length, mean weight and condition factor for all lake trout at Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor |
|---|---|---|---|---|---|---|
| 150-174 | 6 | 170 | 3.3 | 75 | 41.8 | 1.53 |
| 175-199 | 38 | 189 | 6.9 | 115 | 46.1 | 1.63 |
| 200-224 | 19 | 207 | 7.2 | 140 | 42.8 | 1.59 |
| 225-249 | 3 | 230 | 3.8 | 233 | 57.7 | 1.93 |
| 250-274 | 2 | 255 | 1.4 | 200 | - | 1.21 |
| 275-299 | 1 | 295 | - | 300 | - | 1.17 |
| 300-324 | 5 | 310 | 7.2 | 360 | 54.8 | 1.21 |
| 350-374 | 2 | 356 | 5.7 | 400 | - | 0.89 |
| 375-399 | 4 | 389 | 9.8 | 663 | 94.6 | 1.12 |
| 400-424 | 10 | 411 | 6.2 | 805 | 111.7 | 1.15 |
| 425-449 | 17 | 437 | 7.1 | 1012 | 183.3 | 1.21 |
| 450-474 | 21 | 464 | 6.9 | 1186 | 171.1 | 1.18 |
| 475-499 | 47 | 488 | 7.5 | 1386 | 187.3 | 1.19 |
| 500-524 | 64 | 512 | 7.5 | 1722 | 297.3 | 1.29 |
| 525-549 | 110 | 538 | 7.0 | 1975 | 318.9 | 1.27 |
| 550-574 | 145 | 562 | 7.4 | 2279 | 284.8 | 1.28 |
| 575-599 | 129 | 586 | 7.1 | 2526 | 270.0 | 1.26 |
| 600-624 | 102 | 612 | 7.2 | 2938 | 401.3 | 1.28 |
| 625-649 | 68 | 636 | 7.1 | 3193 | 391.4 | 1.24 |
| 650-674 | 57 | 661 | 7.7 | 3568 | 456.3 | 1.23 |
| 675-699 | 44 | 686 | 6.6 | 4125 | 607.4 | 1.28 |
| 700-724 | 30 | 711 | 6.6 | 4777 | 607.8 | 1.33 |
| 725-749 | 27 | 735 | 6.9 | 5115 | 511.2 | 1.29 |
| 750-774 | 24 | 761 | 7.7 | 5679 | 690.9 | 1.29 |
| 775-799 | 30 | 786 | 6.8 | 6103 | 842.2 | 1.26 |
| 800-824 | 24 | 809 | 8.7 | 7171 | 819.6 | 1.36 |
| 825-849 | 28 | 835 | 7.4 | 7950 | 1048.3 | 1.37 |
| 850-874 | 17 | 860 | 6.6 | 8535 | 1410.2 | 1.34 |
| 875-899 | 24 | 886 | 7.2 | 9038 | 1120.1 | 1.30 |
| 900-924 | 19 | 909 | 6.6 | 9579 | 986.3 | 1.28 |
| 925-949 | 8 | 931 | 5.3 | 11550 | 1945.7 | 1.43 |
| 950-974 | 7 | 958 | 8.7 | 11771 | 2348.6 | 1.34 |
| 975-999 | 3 | 981 | 6.6 | 13300 | 2364.3 | 1.41 |
| 1000-1024 | 2 | 1014 | 5.7 | 13400 | 848.5 | 1.28 |
| 1025-1049 | 1 | 1025 | - | 15000 | - | 1.39 |
| Total | 1138 | - | - | - | - | - |
| Mean | - | 600 | 157.8 | 3352 | 2541.5 | 1.29 |

Table 28. Mean fork length, mean weight, condition factor, maturtiy and sex ratio by length interval for creel sampled lake trout from Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 450-474 | 4 | 464 | 8.6 | 1225 | 206.2 | 1.22 | 2 | 50 | 2 | 0 | 1.0 |
| 475-499 | 10 | 489 | 7.1 | 1330 | 221.4 | 1.13 | 5 | 40 | 5 | 0 | 1.0 |
| 500-524 | 11 | 515 | 6.8 | 1645 | 206.7 | 1.20 | 6 | 50 | 5 | 40 | 0.8 |
| 525-549 | 40 | 539 | 6.2 | 1920 | 290.2 | 1.23 | 22 | 23 | 18 | 17 | 0.8 |
| 550-574 | 50 | 564 | 7.7 | 2260 | 269.2 | 1.26 | 20 | 40 | 30 | 43 | 1.5 |
| 575-599 | 59 | 586 | 7.1 | 2476 | 244.5 | 1.23 | 30 | 40 | 29 | 34 | 1.0 |
| 600-624 | 47 | 611 | 7.5 | 2841 | 353.1 | 1.24 | 22 | 36 | 25 | 28 | 1.1 |
| 625-649 | 40 | 635 | 7.3 | 3158 | 371.3 | 1.23 | 17 | 41 | 23 | 39 | 1.4 |
| 650-674 | 31 | 662 | 8.2 | 3652 | 460.3 | 1.26 | 12 | 25 | 19 | 37 | 1.6 |
| 675-699 | 14 | 686 | 7.8 | 3814 | 425.8 | 1.18 | 11 | 36 | 3 | 0 | 0.3 |
| 700-724 | 15 | 709 | 6.2 | 4527 | 452.7 | 1.27 | 6 | 83 | 9 | 56 | 1.5 |
| 725-749 | 10 | 735 | 8.2 | 4900 | 309.1 | 1.23 | 8 | 25 | 2 | 50 | 0.3 |
| 750-774 | 14 | 761 | 7.5 | 5443 | 405.2 | 1.24 | 6 | 83 | 8 | 50 | 1.3 |
| 775-799 | 11 | 786 | 6.3 | 5564 | 683.0 | 1.15 | 3 | 33 | 8 | 25 | 2.7 |
| 800-824 | 8 | 809 | 10.5 | 6500 | 822.9 | 1.23 | 3 | 33 | 5 | 80 | 1.7 |
| 825-849 | 5 | 836 | 6.5 | 7040 | 270.2 | 1.20 | 3 | 66 | 2 | 100 | 0.7 |
| 850-874 | 6 | 856 | 6.1 | 7217 | 381.7 | 1.15 | 4 | 75 | 2 | 0 | 0.5 |
| 875-899 | 5 | 887 | 8.4 | 8220 | 526.3 | 1.18 | 3 | 66 | 2 | 50 | 0.7 |
| 900-924 | 3 | 906 | 9.8 | 8233 | 986.6 | 1.11 | 1 | 100 | 2 | 100 | 2.0 |
| 925-949 | - | - | - | - | - | - | - | - | - | - | - |
| 950-974 | 1 | 972 | - | 8100 | - | 0.88 | 1 | 0 | - | - | - |
| Total | 384 | - | - | - | - | - | 185 | 39 | 199 | 36 | 1.1 |
| Mean | - | 631 | 94.1 | 3274 | 1579.4 | 1.23 | - | - | - | - | - |

Table 29. Mean fork length, mean weight and condition factor by length interval for all lake trout from experimental nets at Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor |
|---|---|---|---|---|---|---|
| 150-174 | 6 | 171 | 3.3 | 75 | 41.8 | 1.53 |
| 175-199 | 38 | 189 | 6.9 | 115 | 46.1 | 1.63 |
| 200-224 | 19 | 207 | 7.2 | 139 | 42.8 | 1.59 |
| 225-249 | 3 | 230 | 3.8 | 233 | 57.7 | 1.93 |
| 225-274 | 2 | 255 | 1.4 | 200 | - | 1.21 |
| 275-300 | 1 | 295 | - | 300 | - | 1.17 |
| 300-324 | 5 | 310 | 7.2 | 360 | 54.8 | 1.21 |
| 350-374 | 2 | 356 | 5.7 | 400 | - | 0.89 |
| 375-399 | 4 | 389 | 9.8 | 663 | 94.6 | 1.12 |
| 400-424 | 10 | 411 | 6.2 | 805 | 111.7 | 1.16 |
| 425-449 | 17 | 437 | 7.1 | 1012 | 183.0 | 1.21 |
| 450-474 | 17 | 464 | 6.7 | 1176 | 167.8 | 1.17 |
| 475-499 | 37 | 488 | 7.7 | 1401 | 177.4 | 1.21 |
| 500-524 | 53 | 511 | 7.5 | 1738 | 312.1 | 1.30 |
| 525-549 | 70 | 537 | 7.3 | 2006 | 332.3 | 1.29 |
| 550-574 | 95 | 561 | 7.0 | 2289 | 279.6 | 1.30 |
| 575-599 | 70 | 586 | 7.2 | 2569 | 284.7 | 1.28 |
| 600-624 | 55 | 612 | 7.0 | 3022 | 423.7 | 1.32 |
| 625-649 | 28 | 637 | 6.9 | 3243 | 420.3 | 1.26 |
| 650-674 | 26 | 660 | 7.1 | 3468 | 439.4 | 1.21 |
| 675-699 | 29 | 686 | 5.9 | 4197 | 493.9 | 1.30 |
| 700-724 | 15 | 712 | 6.9 | 5027 | 652.9 | 1.39 |
| 725-749 | 17 | 734 | 6.2 | 5241 | 570.2 | 1.32 |
| 750-774 | 9 | 762 | 8.5 | 5833 | 721.1 | 1.32 |
| 775-799 | 18 | 787 | 7.3 | 6406 | 797.4 | 1.32 |
| 800-824 | 12 | 808 | 7.5 | 7542 | 574.4 | 1.43 |
| 825-849 | 12 | 832 | 6.7 | 8017 | 1276.9 | 1.39 |
| 850-874 | 4 | 859 | 6.2 | 9675 | 1656.1 | 1.53 |
| 875-899 | 3 | 877 | 3.5 | 9967 | 1750.2 | 1.48 |
| 900-924 | 1 | 900 | - | 10700 | - | 1.47 |
| 925-949 | 1 | 925 | - | 10500 | - | 1.33 |
| 950-974 | 1 | 953 | - | 10600 | - | 1.22 |
| 975-999 | 1 | 980 | - | 11600 | - | 1.23 |
| 1000-1024 | 1 | 1010 | - | 12800 | - | 1.24 |
| Total | 682 | - | - | - | - | - |
| Mean | - | 553 | 157.5 | 2722 | 2054.1 | 1.32 |

Table 30. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for trophy lake trout from Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | |
| 675-699 | 1 | 695 | - | 6400 | - | 1.91 | 1 | 100 | - | - | - |
| 700-724 | - | - | - | - | - | - | - | - | - | - | - |
| 725-749 | - | - | - | - | - | - | - | - | - | - | - |
| 750-774 | 1 | 754 | - | 7600 | - | 1.77 | - | - | 1 | 100 | - |
| 775-799 | 1 | 780 | - | 6600 | - | 1.39 | 1 | 0 | - | - | - |
| 800-824 | 4 | 809 | 10.4 | 7400 | 734.8 | 1.40 | 2 | 50 | 2 | 100 | 1.0 |
| 825-849 | 11 | 836 | 8.3 | 8291 | 772.6 | 1.42 | 6 | 100 | 5 | 100 | 0.8 |
| 850-879 | 7 | 863 | 6.0 | 9014 | 968.6 | 1.40 | 3 | 66 | 4 | 100 | 1.3 |
| 875-899 | 16 | 887 | 6.4 | 9119 | 1019.3 | 1.31 | 6 | 83 | 10 | 40 | 1.7 |
| 900-924 | 15 | 910 | 5.8 | 9773 | 770.4 | 1.30 | 4 | 75 | 11 | 64 | 2.8 |
| 925-949 | 7 | 932 | 5.1 | 11700 | 2051.0 | 1.45 | 4 | 100 | 3 | 66 | 0.8 |
| 950-974 | 5 | 956 | 7.2 | 12740 | 1840.7 | 1.46 | 2 | 100 | 3 | 66 | 1.5 |
| 975-999 | 2 | 982 | 9.2 | 14150 | 2616.3 | 1.50 | - | - | 2 | 100 | - |
| 1000-1024 | 1 | 1018 | - | 14000 | - | 1.33 | - | - | 1 | 100 | - |
| 1025-1049 | 1 | 1025 | - | 15000 | - | 1.40 | 1 | 100 | - | - | - |
| Total | 72 | - | - | - | - | - | 30 | 83 | 42 | 71 | 1.4 |
| Mean | - | 887 | 56.3 | 9721 | 2122.0 | 1.38 | - | - | - | - | - |

Table 31. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for dead sampled lake trout from experimental nets at Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | | |
| 150-174 | 6 | 170 | 3.3 | 75 | 41.8 | 1.53 | - | - | - | - | - | 6 |
| 175-199 | 38 | 189 | 6.9 | 114 | 46.1 | 1.63 | 3 | 0 | 2 | 0 | 0.7 | 33 |
| 200-224 | 19 | 207 | 7.2 | 139 | 42.7 | 1.59 | 2 | 0 | - | - | - | 17 |
| 225-249 | 3 | 230 | 3.8 | 233 | 57.7 | 1.93 | 1 | 0 | - | - | - | 2 |
| 250-274 | 2 | 255 | 1.4 | 200 | - | 1.21 | 1 | 0 | - | - | - | 1 |
| 275-299 | 1 | 295 | - | 300 | - | 1.17 | - | - | - | - | - | 1 |
| 300-324 | 4 | 309 | 7.5 | 375 | 50.0 | 1.27 | - | - | 3 | 0 | - | 1 |
| 350-374 | 2 | 356 | 5.7 | 400 | - | 0.89 | 1 | 0 | - | - | - | 1 |
| 375-399 | 3 | 394 | 5.1 | 683 | 104.1 | 1.12 | 1 | 0 | 2 | 0 | 2.0 | - |
| 400-424 | 7 | 409 | 5.2 | 779 | 90.6 | 1.13 | 3 | 0 | 4 | 0 | 1.3 | - |
| 425-449 | 6 | 434 | 7.1 | 967 | 121.1 | 1.18 | 2 | 0 | 4 | 0 | 2.0 | - |
| 450-474 | 6 | 462 | 7.6 | 1133 | 121.1 | 1.15 | 1 | 0 | 5 | 0 | 5.0 | - |
| 475-499 | 11 | 490 | 6.7 | 1414 | 179.0 | 1.20 | 4 | 25 | 7 | 14 | 1.8 | - |
| 500-524 | 14 | 510 | 7.4 | 1636 | 206.1 | 1.24 | 8 | 0 | 6 | 17 | 0.8 | - |
| 525-549 | 8 | 537 | 8.6 | 1800 | 220.4 | 1.16 | 5 | 20 | 3 | 33 | 0.6 | - |
| 550-574 | 13 | 565 | 4.5 | 2292 | 239.7 | 1.27 | 10 | 30 | 3 | 66 | 0.3 | - |
| 575-599 | 8 | 588 | 7.7 | 2625 | 380.8 | 1.29 | 6 | 50 | 2 | 0 | 0.3 | - |
| 600-624 | 12 | 614 | 6.9 | 2967 | 257.0 | 1.28 | 2 | 0 | 10 | 40 | 5.0 | - |
| 625-649 | 4 | 642 | 8.3 | 3250 | 264.6 | 1.23 | 1 | 100 | 3 | 33 | 3.0 | - |
| 650-674 | 2 | 661 | 6.4 | 3550 | 495.0 | 1.23 | - | - | 2 | 50 | - | - |
| 675-699 | 3 | 686 | 2.0 | 4333 | 568.6 | 1.34 | 1 | 100 | 2 | 50 | 2.0 | - |
| 725-749 | 2 | 737 | 9.9 | 5450 | 70.7 | 1.36 | 1 | 100 | 1 | 0 | 1.0 | - |
| 750-774 | 1 | 755 | - | 6100 | - | 1.42 | 1 | 100 | - | - | - | - |
| 775-799 | 2 | 792 | 9.2 | 6100 | 989.9 | 1.23 | - | - | 2 | 100 | - | - |
| Total | 177 | - | - | - | - | - | 54 | 22 | 61 | 23 | 1.1 | 62 |
| Mean | - | 401 | 181.6 | 1322 | 1370.6 | 1.37 | - | - | - | - | - | - |

Table 32. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled and dead sampled lake trout from experimental nets at Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150-174 | 6 | 170 | 3.3 | 75 | 41.8 | 1.53 | - | - | - | - | - | 6 |
| 175-199 | 38 | 189 | 6.9 | 114 | 46.1 | 1.63 | 3 | 0 | 2 | 0 | 0.7 | 33 |
| 200-224 | 19 | 207 | 7.2 | 139 | 42.7 | 1.59 | 2 | 0 | - | - | - | 17 |
| 225-249 | 3 | 230 | 3.8 | 233 | 57.7 | 1.93 | 1 | 0 | - | - | - | 2 |
| 250-274 | 2 | 255 | 1.4 | 200 | - | 1.21 | 1 | 0 | - | - | - | 1 |
| 275-299 | 1 | 295 | - | 300 | - | 1.17 | - | - | - | - | - | 1 |
| 300-324 | 4 | 309 | 7.5 | 375 | 50.0 | 1.27 | - | - | 3 | 0 | - | 1 |
| 325-349 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| 350-374 | 2 | 356 | 5.7 | 400 | - | 0.89 | 1 | 0 | - | - | - | - |
| 375-399 | 3 | 394 | 5.1 | 683 | 104.0 | 1.12 | 1 | 0 | 2 | 0 | 2.0 | - |
| 400-424 | 7 | 409 | 5.2 | 779 | 90.6 | 1.13 | 3 | 0 | 4 | 0 | 1.3 | - |
| 425-449 | 6 | 434 | 7.1 | 967 | 121.1 | 1.18 | 2 | 0 | 4 | 0 | 2.0 | - |
| 450-474 | 10 | 462 | 7.6 | 1170 | 156.7 | 1.18 | 3 | 33 | 7 | 0 | 2.3 | - |
| 475-499 | 21 | 490 | 6.7 | 1374 | 199.8 | 1.17 | 9 | 33 | 12 | 8 | 1.3 | - |
| 500-524 | 25 | 512 | 7.4 | 1640 | 202.1 | 1.22 | 14 | 21 | 11 | 27 | 0.8 | - |
| 525-549 | 48 | 539 | 6.5 | 1900 | 281.4 | 1.22 | 27 | 22 | 21 | 19 | 0.8 | - |
| 550-574 | 63 | 564 | 7.2 | 2267 | 284.0 | 1.26 | 30 | 27 | 33 | 45 | 1.1 | - |
| 575-599 | 67 | 586 | 7.1 | 2494 | 265.1 | 1.24 | 36 | 42 | 31 | 31 | 0.9 | - |
| 600-624 | 59 | 612 | 7.5 | 2866 | 337.7 | 1.25 | 24 | 33 | 35 | 31 | 1.5 | - |
| 625-649 | 44 | 635 | 7.5 | 3166 | 361.5 | 1.23 | 18 | 44 | 26 | 38 | 1.4 | - |
| 650-674 | 33 | 662 | 8.0 | 3645 | 454.9 | 1.26 | 12 | 25 | 21 | 38 | 1.8 | - |
| 675-699 | 17 | 686 | 7.1 | 3906 | 478.9 | 1.21 | 12 | 42 | 5 | 20 | 0.4 | - |
| 700-724 | 15 | 709 | 6.2 | 4527 | 452.7 | 1.27 | 6 | 83 | 9 | 56 | 1.5 | - |
| 725-749 | 12 | 736 | 8.0 | 4992 | 352.8 | 1.26 | 9 | 33 | 3 | 33 | 0.3 | - |
| 750-774 | 15 | 760 | 7.3 | 5487 | 425.7 | 1.25 | 7 | 86 | 8 | 50 | 1.1 | - |
| 775-779 | 13 | 787 | 6.7 | 5646 | 714.9 | 1.16 | 3 | 33 | 10 | 40 | 3.3 | - |
| 800-824 | 8 | 809 | 10.5 | 6500 | 822.9 | 1.23 | 3 | 33 | 5 | 80 | 1.7 | - |
| 825-849 | 5 | 836 | 6.5 | 7040 | 270.2 | 1.20 | 3 | 67 | 2 | 100 | 0.7 | - |
| 850-874 | 6 | 856 | 6.2 | 7217 | 381.7 | 1.15 | 4 | 75 | 2 | 0 | 0.5 | - |
| 875-899 | 5 | 887 | 8.4 | 8220 | 526.3 | 1.19 | 3 | 67 | 2 | 50 | 0.7 | - |
| 900-924 | 3 | 906 | 9.8 | 8233 | 986.6 | 1.11 | 1 | 100 | 2 | 100 | 2.0 | - |
| 950-974 | 1 | 972 | - | 8100 | - | 0.88 | 1 | 0 | - | - | - | - |
| Total | 561 | - | - | - | - | - | 239 | 35 | 260 | 33 | 1.1 | 62 |
| Mean | - | 558 | 166.8 | 2661 | 1766.4 | 1.27 | - | - | - | - | - | - |

Table 33. Mean fork length, mean weight and condition factor by length interval for live sampled lake trout from experimental nets at Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor |
|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | |
| 300-324 | 1 | 315 | - | 300 | - | 0.96 |
| 375-399 | 1 | 376 | - | 600 | - | 1.13 |
| 400-424 | 3 | 415 | 7.2 | 867 | 152.8 | 1.20 |
| 425-449 | 11 | 439 | 6.8 | 1036 | 211.1 | 1.22 |
| 450-474 | 11 | 465 | 6.1 | 1200 | 189.7 | 1.19 |
| 475-499 | 26 | 487 | 7.9 | 1396 | 179.9 | 1.21 |
| 500-524 | 39 | 511 | 7.5 | 1774 | 337.0 | 1.33 |
| 525-549 | 62 | 537 | 7.2 | 2032 | 336.2 | 1.31 |
| 550-574 | 82 | 560 | 7.1 | 2289 | 286.7 | 1.30 |
| 575-599 | 62 | 585 | 7.2 | 2561 | 273.0 | 1.28 |
| 600-624 | 43 | 611 | 6.9 | 3037 | 461.0 | 1.33 |
| 625-649 | 24 | 636 | 6.4 | 3242 | 445.2 | 1.26 |
| 650-674 | 24 | 660 | 7.3 | 3461 | 445.6 | 1.21 |
| 675-699 | 26 | 686 | 6.2 | 4181 | 494.8 | 1.30 |
| 700-724 | 15 | 712 | 6.9 | 5027 | 653.0 | 1.40 |
| 725-749 | 15 | 734 | 6.0 | 5213 | 603.4 | 1.32 |
| 750-774 | 8 | 763 | 8.6 | 5800 | 763.5 | 1.31 |
| 775-799 | 16 | 786 | 7.1 | 6444 | 800.1 | 1.33 |
| 800-824 | 12 | 808 | 7.5 | 7542 | 574.4 | 1.43 |
| 825-849 | 12 | 832 | 6.7 | 8016 | 1276.9 | 1.39 |
| 850-874 | 4 | 859 | 6.2 | 9675 | 1656.0 | 1.53 |
| 875-899 | 3 | 877 | 3.5 | 9967 | 1750.2 | 1.48 |
| 900-924 | 1 | 900 | - | 10700 | - | 1.47 |
| 925-949 | 1 | 925 | - | 10500 | - | 1.33 |
| 950-974 | 1 | 953 | - | 10600 | - | 1.22 |
| 975-1000 | 1 | 980 | - | 11600 | - | 1.23 |
| 1000-1024 | 1 | 1010 | - | 12800 | - | 1.24 |
| Total | 505 | - | - | - | - | - |
| Mean | - | 606 | 105.3 | 3210 | 2029.3 | 1.30 |

Table 34. Mean fork length, mean weight, condition factor, maturity and sex ratio by length interval for creel sampled and trophy lake trout from Arctic Star Lodge, 1978.

| Length Interval (mm) | No. | Fork Length (mm) | | Weight (g) | | Condition Factor | Males | | Females | | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SD | | No. | %Mature | No. | %Mature | |
| 450-474 | 4 | 464 | 8.6 | 1225 | 206.2 | 1.23 | 2 | 50 | 2 | 0 | 1.0 |
| 475-499 | 10 | 489 | 7.1 | 1330 | 221.4 | 1.13 | 5 | 40 | 5 | 0 | 1.0 |
| 500-524 | 11 | 515 | 6.8 | 1645 | 206.7 | 1.21 | 6 | 50 | 5 | 40 | 0.8 |
| 525-549 | 40 | 539 | 6.2 | 1920 | 290.2 | 1.23 | 22 | 23 | 18 | 17 | 0.8 |
| 550-574 | 50 | 564 | 7.7 | 2260 | 296.2 | 1.26 | 20 | 25 | 30 | 43 | 1.5 |
| 575-599 | 59 | 586 | 7.1 | 2476 | 244.5 | 1.23 | 30 | 40 | 29 | 34 | 1.0 |
| 600-624 | 47 | 611 | 7.5 | 2841 | 353.1 | 1.24 | 22 | 36 | 25 | 28 | 1.1 |
| 625-649 | 40 | 635 | 7.3 | 3158 | 371.3 | 1.23 | 17 | 41 | 23 | 39 | 1.4 |
| 650-674 | 31 | 662 | 8.2 | 3652 | 460.3 | 1.26 | 12 | 25 | 19 | 37 | 1.6 |
| 675-699 | 15 | 687 | 7.9 | 3987 | 783.6 | 1.23 | 12 | 42 | 3 | 0 | 0.3 |
| 700-724 | 15 | 709 | 6.2 | 4527 | 452.7 | 1.27 | 6 | 83 | 9 | 56 | 1.5 |
| 725-749 | 10 | 735 | 8.2 | 4900 | 309.1 | 1.23 | 8 | 25 | 2 | 50 | 0.3 |
| 750-774 | 15 | 760 | 7.4 | 5587 | 680.2 | 1.28 | 6 | 83 | 9 | 56 | 1.5 |
| 775-799 | 12 | 785 | 6.2 | 5650 | 716.7 | 1.17 | 4 | 25 | 8 | 25 | 2.0 |
| 800-824 | 12 | 809 | 10.0 | 6800 | 880.1 | 1.28 | 5 | 40 | 7 | 86 | 1.4 |
| 825-849 | 16 | 836 | 7.6 | 7900 | 880.9 | 1.35 | 9 | 89 | 7 | 100 | 0.8 |
| 850-874 | 13 | 860 | 6.9 | 8185 | 1183.1 | 1.29 | 7 | 71 | 6 | 67 | 0.9 |
| 875-899 | 21 | 887 | 6.7 | 8905 | 994.2 | 1.28 | 9 | 78 | 12 | 42 | 1.3 |
| 900-924 | 18 | 909 | 6.4 | 9517 | 975.7 | 1.27 | 5 | 80 | 13 | 69 | 2.6 |
| 925-949 | 7 | 932 | 5.1 | 11700 | 2051.0 | 1.45 | 4 | 100 | 3 | 67 | 0.8 |
| 950-974 | 6 | 959 | 9.2 | 11967 | 2509.7 | 1.36 | 3 | 67 | 3 | 67 | 1.0 |
| 975-999 | 2 | 982 | 9.2 | 14150 | 2616.3 | 1.50 | - | - | 2 | 100 | - |
| 1000-1024 | 1 | 1018 | - | 14000 | - | 1.33 | - | - | 1 | 100 | - |
| 1025-1049 | 1 | 1025 | - | 15000 | - | 1.39 | 1 | 100 | - | - | - |
| Total | 456 | - | - | - | - | - | 215 | 40 | 241 | 42 | 1.1 |
| Mean | - | 671 | 129.2 | 4292 | 2888.0 | 1.25 | - | - | - | - | - |

Table 35. Length-weight relationship summary, $\log_{10} W = a + b (\log_{10} L)$, for lake trout from four sport fishing lodges located on Great Bear and Great Slave lakes, 1973 to 1978.

| Lodge | Year | Number | Y-intercept (a) | Slope (b) | SD of b ($S_b$) | 95% C.I. of b |
|---|---|---|---|---|---|---|
| Great Bear Lake Lodge (Plummer's) | | | | | | |
| Creel | 1973 | 500 | -4.1333 | 2.7200 | 0.0647 | 2.5930-2.8470 |
| Creel | 1977 | 326 | -3.7286 | 2.5801 | 0.0613 | 2.4600-2.7002 |
| Branson's Lodge | | | | | | |
| Creel | 1973 | 280 | -4.3679 | 2.7880 | 0.1217 | 2.5510-3.0250 |
| Creel | 1974 | 210 | -4.2884 | 2.7751 | 0.0678 | 2.6422-2.9080 |
| Creel | 1978 | 318 | -4.2996 | 2.7816 | 0.0524 | 2.6789-2.8843 |
| Trophies | 1978 | 29 | -4.6220 | 2.8954 | 0.1592 | 2.5694-3.2214 |
| Trophies & Creel | 1978 | 347 | -4.4169 | 2.8236 | 0.3990 | 2.7453-2.9019 |
| Live Sampled | 1978 | 201 | -4.5393 | 2.8636 | 0.0511 | 2.7634-2.9638 |
| Dead Sampled | 1978 | 62 | -4.7423 | 2.9196 | 0.0957 | 2.7282-3.1110 |
| Live & Dead Sampled | 1978 | 263 | -4.6673 | 2.9061 | 0.0455 | 2.8169-2.9953 |
| Combined[a] | 1978 | 609 | -4.6958 | 2.9198 | 0.0261 | 2.8686-2.9710 |
| Great Slave Lake Lodge (Plummer's) | | | | | | |
| Creel | 1973 | 472 | -5.4529 | 3.1950 | 0.0529 | 3.0950-3.2950 |
| Creel | 1974 | 616 | -6.0787 | 3.4061 | 0.0377 | 3.3322-3.4800 |
| Creel | 1977 | 454 | -5.4472 | 3.1932 | 0.0395 | 3.1158-3.2706 |
| Trophies | 1977 | 42 | -3.4080 | 2.4929 | 0.3123 | 1.8639-3.1219 |
| Trophies & Creel | 1977 | 496 | -5.1028 | 3.0690 | 0.0299 | 3.0104-3.1276 |
| Live Sampled | 1977 | 502 | -4.9961 | 3.0438 | 0.0327 | 2.9797-3.1079 |
| Dead Sampled | 1977 | 177 | -5.4804 | 3.2095 | 0.0337 | 3.1434-3.2756 |
| Live & Dead Sampled | 1977 | 679 | -5.4492 | 3.2042 | 0.0501 | 3.1060-3.3024 |
| Combined[a] | 1977 | 1175 | -5.3227 | 3.1534 | 0.0147 | 3.1246-3.1822 |
| Arctic Star Lodge | | | | | | |
| Creel | 1973 | 46 | -5.9774 | 3.3920 | 0.1167 | 3.1620-3.6220 |
| Creel | 1974 | 34 | -4.8193 | 2.9676 | 0.1430 | 2.6773-3.2579 |
| Creel | 1978 | 384 | -4.7729 | 2.9496 | 0.0433 | 2.8647-3.0345 |
| Trophies | 1978 | 72 | -3.4787 | 2.5304 | 0.2282 | 2.0754-2.9854 |
| Trophies & Creel | 1978 | 456 | -5.2646 | 3.1273 | 0.0322 | 3.0642-3.1904 |
| Live Sampled | 1978 | 505 | -5.3246 | 3.1564 | 0.0352 | 3.0874-3.2254 |
| Dead Sampled | 1978 | 176 | -4.3899 | 2.8092 | 0.0376 | 2.7355-2.8829 |
| Live & Dead Sampled | 1978 | 681 | -4.6430 | 2.9103 | 0.1826 | 2.5524-3.2682 |
| Combined[a] | 1978 | 1137 | -4.6902 | 2.9259 | 0.0145 | 2.8975-2.9543 |

[a] Includes data from creel, trophy, and live and dead (experimental netting) samples.

Table 36. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel sampled lake trout from Plummer's Great Bear Lake Lodge, 1977.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 3 | 497 | 22.8 | 1617 | 160.7 | 1.32 | 1 | 0 | 2 | 0 | 2.0 | - |
| 14 | 3 | 525 | 76.0 | 1400 | 200.0 | 1.01 | 1 | 0 | 1 | 0 | 1.0 | 1 |
| 15 | 4 | 534 | 43.2 | 1712 | 532.9 | 1.13 | 3 | 0 | 1 | 0 | 0.3 | - |
| 16 | 4 | 551 | 17.2 | 1900 | 511.0 | 1.13 | 1 | 100 | 3 | 0 | 3.0 | - |
| 17 | 7 | 565 | 24.9 | 2207 | 437.2 | 1.21 | 3 | 0 | 4 | 0 | 0.7 | - |
| 18 | 10 | 578 | 15.0 | 2560 | 253.6 | 1.33 | 2 | 50 | 8 | 37 | 4.0 | - |
| 19 | 13 | 592 | 13.2 | 2765 | 325.6 | 1.33 | 7 | 86 | 6 | 33 | 0.9 | - |
| 20 | 16 | 599 | 22.6 | 2731 | 423.0 | 1.27 | 8 | 37 | 8 | 12 | 1.0 | - |
| 21 | 11 | 613 | 8.4 | 3100 | 410.5 | 1.35 | 8 | 75 | 3 | 0 | 0.4 | - |
| 22 | 20 | 624 | 22.8 | 3057 | 386.0 | 1.26 | 6 | 67 | 14 | 36 | 2.3 | - |
| 23 | 21 | 633 | 21.4 | 3221 | 339.7 | 1.27 | 8 | 75 | 13 | 46 | 1.6 | - |
| 24 | 31 | 642 | 22.3 | 3493 | 377.4 | 1.32 | 18 | 83 | 13 | 77 | 0.7 | - |
| 25 | 23 | 661 | 40.3 | 3633 | 570.8 | 1.26 | 8 | 87 | 15 | 60 | 1.9 | - |
| 26 | 25 | 672 | 25.3 | 3680 | 466.6 | 1.21 | 7 | 86 | 18 | 50 | 2.6 | - |
| 27 | 24 | 679 | 34.1 | 3848 | 474.7 | 1.23 | 7 | 100 | 17 | 35 | 2.4 | - |
| 28 | 26 | 707 | 32.8 | 4252 | 538.0 | 1.20 | 8 | 75 | 18 | 44 | 2.2 | - |
| 29 | 13 | 726 | 41.3 | 4338 | 664.3 | 1.13 | 3 | 33 | 10 | 30 | 3.3 | - |
| 30 | 13 | 727 | 41.5 | 4604 | 1038.7 | 1.18 | 7 | 86 | 6 | 33 | 0.9 | - |
| 31 | 6 | 721 | 11.2 | 4658 | 826.1 | 1.24 | 2 | 100 | 4 | 50 | 2.0 | - |
| 32 | 5 | 781 | 53.1 | 4830 | 1300.3 | 1.00 | 3 | 0 | 2 | 50 | 0.6 | - |
| 33 | 7 | 784 | 45.8 | 5307 | 994.3 | 1.09 | 4 | 50 | 3 | 67 | 0.7 | - |
| 34 | 4 | 821 | 37.2 | 6512 | 1159.3 | 1.18 | 1 | 100 | 3 | 67 | 3.0 | - |
| 35 | 4 | 756 | 48.8 | 4587 | 1094.2 | 1.05 | 1 | 100 | 3 | 0 | 3.0 | - |
| 36 | 5 | 804 | 60.0 | 6220 | 1640.7 | 1.18 | - | - | 5 | 20 | - | - |
| 37 | 3 | 896 | 20.1 | 7600 | 1915.7 | 1.04 | 1 | 100 | 2 | 0 | 2.0 | - |
| 38 | 3 | 894 | 12.9 | 7567 | 596.5 | 1.06 | 2 | 100 | 1 | 0 | 0.5 | - |
| 39 | 4 | 889 | 49.4 | 9150 | 1034.4 | 1.31 | 1 | 100 | 3 | 33 | 3.0 | - |
| 40 | 2 | 903 | 19.1 | 7800 | 282.8 | 1.06 | - | - | 2 | 50 | - | - |
| 41 | - | - | - | - | - | - | - | - | - | - | - | - |
| 42 | - | - | - | - | - | - | - | - | - | - | - | - |
| 43 | 1 | 973 | - | 10900 | - | 1.18 | 1 | 100 | - | - | - | - |
| Unknown | 15 | 710 | 86.6 | 4307 | 1245.4 | 1.19 | 8 | - | 7 | - | 0.9 | - |
| Total | 326 | - | - | - | - | - | 130 | 66 | 195 | 38 | 1.5 | 1 |
| Mean | 25.3[a] | 671 | 84.8 | 3828 | 1442.2 | 1.23 | - | - | - | - | - | - |

[a] Mean age.

Table 37. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel sampled lake trout from Branson's Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 1 | 375 | - | 600 | - | 1.14 | - | - | 1 | 0 | - |
| 17 | 6 | 477 | 64.9 | 1142 | 414.1 | 1.03 | 2 | 0 | 4 | 0 | 2.0 |
| 18 | 12 | 499 | 39.1 | 1471 | 357.7 | 1.17 | 5 | 0 | 7 | 0 | 1.4 |
| 19 | 10 | 541 | 46.9 | 2090 | 493.2 | 1.32 | 5 | 20 | 5 | 0 | 1.0 |
| 20 | 9 | 563 | 47.6 | 2117 | 611.4 | 1.17 | 4 | 0 | 5 | 20 | 1.3 |
| 21 | 9 | 594 | 42.7 | 2800 | 499.4 | 1.34 | 6 | 16 | 3 | 0 | 0.5 |
| 22 | 16 | 614 | 54.8 | 2891 | 707.6 | 1.24 | 6 | 0 | 10 | 10 | 1.7 |
| 23 | 18 | 611 | 43.8 | 2811 | 417.8 | 1.23 | 13 | 0 | 5 | 0 | 0.4 |
| 24 | 21 | 632 | 42.3 | 2957 | 502.6 | 1.17 | 9 | 0 | 12 | 8 | 1.3 |
| 25 | 16 | 643 | 54.9 | 3444 | 644.9 | 1.30 | 7 | 0 | 9 | 44 | 1.3 |
| 26 | 21 | 648 | 46.6 | 3450 | 568.3 | 1.27 | 8 | 0 | 13 | 54 | 1.6 |
| 27 | 25 | 674 | 53.8 | 3970 | 950.2 | 1.29 | 9 | 0 | 16 | 31 | 1.8 |
| 28 | 20 | 681 | 49.7 | 3908 | 723.5 | 1.24 | 10 | 0 | 10 | 50 | 1.0 |
| 29 | 11 | 714 | 55.0 | 4222 | 762.0 | 1.17 | 5 | 20 | 6 | 33 | 1.2 |
| 30 | 14 | 678 | 69.2 | 4075 | 1162.8 | 1.29 | 7 | 0 | 7 | 57 | 0.6 |
| 31 | 6 | 731 | 59.9 | 4842 | 918.4 | 1.26 | 1 | 0 | 5 | 20 | 5.0 |
| 32 | 12 | 696 | 46.2 | 4267 | 851.6 | 1.26 | 5 | 0 | 7 | 57 | 1.4 |
| 33 | 14 | 742 | 57.8 | 4839 | 1085.6 | 1.17 | 4 | 0 | 10 | 60 | 1.5 |
| 34 | 15 | 736 | 80.4 | 5110 | 1713.4 | 1.25 | 10 | 0 | 5 | 40 | 0.5 |
| 35 | 4 | 719 | 90.5 | 3975 | 1072.8 | 1.07 | 2 | 0 | 2 | 50 | 1.0 |
| 36 | 4 | 748 | 86.9 | 4888 | 1173.6 | 1.17 | 1 | 0 | 3 | 66 | 3.0 |
| 37 | 3 | 852 | 99.4 | 7000 | 1738.5 | 1.13 | - | 0 | 3 | 66 | - |
| 38 | 5 | 756 | 93.9 | 5060 | 1859.2 | 1.14 | 1 | 0 | 4 | 25 | 4.0 |
| 39 | 4 | 796 | 134.5 | 6275 | 2518.1 | 1.22 | 2 | 50 | 2 | 0 | 1.0 |
| 40 | 1 | 821 | - | 8000 | - | 1.45 | - | - | 1 | 0 | - |
| 41 | 2 | 772 | 78.5 | 6100 | 1909.2 | 1.31 | - | - | 2 | 100 | - |
| 42 | 1 | 935 | - | 9000 | - | 1.10 | - | - | 1 | 0 | - |
| Unknown | 38 | 703 | 107.9 | 4388 | 1961.3 | 1.22 | - | - | - | - | - |
| Total | 318 | - | - | - | - | - | 122 | 3.2 | 158 | 32.3 | 1.3 |
| Mean | 26.8 [a] | 662 | 96.9 | 3727 | 1562.8 | 1.23 | - | - | - | - | - |

[a] Mean age.

Table 38. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel and dead sampled lake trout from experimental nets at Branson's Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1 | 329 | - | 450 | - | 1.26 | 1 | N/A | - | - | - | 1 |
| 14 | 4 | 378 | 13.2 | 613 | 47.9 | 1.14 | 2 | | 2 | 0 | 1.0 | - |
| 15 | 7 | 407 | 38.4 | 721 | 230.7 | 1.04 | 2 | | 4 | 0 | 2.0 | - |
| 16 | 10 | 422 | 29.4 | 860 | 146.8 | 1.15 | 7 | | 3 | 0 | 0.4 | - |
| 17 | 12 | 462 | 48.5 | 1120 | 367.7 | 1.12 | 3 | | 9 | 0 | 3.0 | - |
| 18 | 16 | 488 | 40.5 | 1378 | 365.6 | 1.17 | 8 | | 8 | 0 | 1.0 | - |
| 19 | 17 | 528 | 44.3 | 1865 | 532.7 | 1.25 | 5 | | 12 | 0 | 2.4 | - |
| 20 | 15 | 553 | 46.7 | 1900 | 598.5 | 1.10 | 6 | | 9 | 11 | 1.5 | - |
| 21 | 13 | 585 | 42.1 | 2531 | 607.4 | 1.25 | 7 | | 6 | 0 | 0.9 | - |
| 22 | 19 | 607 | 54.2 | 2742 | 749.9 | 1.21 | 8 | | 11 | 9 | 1.4 | - |
| 23 | 21 | 604 | 45.2 | 2702 | 477.6 | 1.23 | 15 | | 6 | 0 | 0.4 | - |
| 24 | 21 | 632 | 42.3 | 2957 | 502.6 | 1.17 | 9 | | 12 | 8 | 1.3 | - |
| 25 | 16 | 643 | 54.9 | 3444 | 644.9 | 1.30 | 7 | | 9 | 44 | 1.3 | - |
| 26 | 22 | 644 | 48.5 | 3405 | 594.2 | 1.27 | 9 | | 13 | 54 | 1.4 | - |
| 27 | 25 | 674 | 53.8 | 3970 | 950.2 | 1.29 | 9 | | 16 | 31 | 1.7 | - |
| 28 | 21 | 685 | 51.5 | 3955 | 737.7 | 1.23 | 10 | | 11 | 45 | 1.1 | - |
| 29 | 12 | 714 | 52.5 | 4196 | 732.5 | 1.16 | 6 | | 6 | 33 | 1.0 | - |
| 30 | 14 | 678 | 69.2 | 4075 | 1162.8 | 1.29 | 7 | | 7 | 57 | 1.0 | - |
| 31 | 6 | 730 | 59.9 | 4842 | 918.4 | 1.26 | 1 | | 5 | 20 | 5.0 | - |
| 32 | 12 | 696 | 46.2 | 4267 | 851.6 | 1.26 | 5 | | 7 | 57 | 1.4 | - |
| 33 | 14 | 742 | 57.8 | 4839 | 1085.6 | 1.17 | 4 | | 10 | 60 | 2.5 | - |
| 34 | 15 | 736 | 80.4 | 5110 | 1713.4 | 1.25 | 10 | | 5 | 40 | 0.5 | - |
| 35 | 4 | 719 | 90.5 | 3975 | 1072.8 | 1.06 | 2 | | 2 | 50 | 1.0 | - |
| 36 | 4 | 748 | 86.9 | 4888 | 1173.6 | 1.17 | 1 | | 3 | 66 | 3.0 | - |
| 37 | 3 | 852 | 99.4 | 7000 | 1738.5 | 1.13 | - | | 3 | 66 | - | - |
| 38 | 5 | 756 | 93.9 | 5060 | 1859.2 | 1.14 | 1 | | 4 | 25 | 4.0 | - |
| 39 | 4 | 796 | 134.5 | 6275 | 2518.1 | 1.22 | 2 | | 2 | 0 | 1.0 | - |
| 40 | 1 | 821 | - | 8000 | - | 1.45 | - | | 1 | 0 | - | - |
| 41 | 2 | 772 | 78.5 | 6100 | 1909.2 | 1.31 | - | | 2 | 100 | - | - |
| 42 | 1 | 935 | - | 9000 | - | 1.10 | - | | 1 | 0 | - | - |
| Unknown | 43 | 681 | 123.3 | 4049 | 2089.6 | 1.19 | - | | - | - | - | - |
| Total | 380 | - | - | - | - | - | 147 | - | 189 | 27 | 1.3 | 1 |
| Mean | 25.5[a] | 633 | 115.6 | 3344 | 1704.3 | 1.21 | - | - | - | - | - | - |

[a] Mean age.

Table 39. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for dead sampled lake trout from experimental nets at Branson's Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1 | 329 | - | 450 | - | 1.26 | 1 | N/A | - | N/A | - |
| 14 | 3 | 379 | 16.0 | 617 | 57.7 | 1.14 | 2 | | 1 | | 0.5 |
| 15 | 7 | 407 | 38.4 | 721 | 230.7 | 1.04 | 2 | | 5 | | 2.5 |
| 16 | 10 | 421 | 29.4 | 860 | 146.8 | 1.15 | 7 | | 3 | | 0.4 |
| 17 | 6 | 447 | 20.5 | 1100 | 353.6 | 1.21 | 1 | | 5 | | 5.0 |
| 18 | 4 | 454 | 24.0 | 1100 | 248.3 | 1.16 | 3 | | 1 | | 0.3 |
| 19 | 7 | 510 | 35.8 | 1543 | 428.6 | 1.15 | - | | 7 | | - |
| 20 | 6 | 537 | 45.1 | 1575 | 440.2 | 0.99 | 2 | | 4 | | 2.0 |
| 21 | 4 | 566 | 39.0 | 1925 | 322.7 | 1.06 | 1 | | 3 | | 3.0 |
| 22 | 3 | 565 | 28.3 | 1950 | 433.0 | 1.07 | 2 | | 1 | | 0.5 |
| 23 | 3 | 559 | 26.1 | 2050 | 229.1 | 1.17 | 2 | | 1 | | 0.5 |
| 26 | 1 | 568 | - | 2450 | - | 1.34 | 1 | | - | | - |
| 28 | 1 | 760 | - | 4900 | - | 1.12 | - | | 1 | | - |
| 29 | 1 | 710 | - | 3900 | - | 1.09 | 1 | | - | | - |
| Unknown | 5 | 509 | 99.8 | 1470 | 928.4 | 1.03 | - | | - | | - |
| Total | 62 | - | - | - | - | - | 25 | - | 32 | - | 1.3 |
| Mean | 18.4[a] | 485 | 86.6 | 1379 | 816.1 | 1.11 | - | - | - | - | - |

[a] Mean age.

Table 40. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel sampled lake trout from Plummer's Great Slave Lake Lodge, 1977.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Trophies | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 2 | 418 | 26.2 | 800 | 141.4 | 1.09 | - | - | - | - | - | - | 1 |
| 11 | 6 | 508 | 38.2 | 1650 | 637.2 | 1.20 | 3 | 0 | 3 | 0 | 1.0 | - | - |
| 12 | 30 | 503 | 32.7 | 1522 | 392.8 | 1.17 | 18 | 5 | 12 | 8 | 0.7 | - | - |
| 13 | 43 | 537 | 29.7 | 1830 | 404.7 | 1.17 | 23 | 13 | 20 | 10 | 0.9 | - | - |
| 14 | 65 | 565 | 27.6 | 2241 | 448.2 | 1.23 | 33 | 15 | 31 | 25 | 0.9 | - | 1 |
| 15 | 60 | 592 | 30.9 | 2671 | 650.9 | 1.27 | 33 | 33 | 27 | 33 | 0.8 | - | - |
| 16 | 46 | 615 | 34.3 | 2974 | 664.1 | 1.26 | 18 | 11 | 28 | 46 | 1.5 | - | - |
| 17 | 35 | 640 | 40.6 | 3278 | 836.1 | 1.23 | 18 | 39 | 16 | 37 | 0.9 | - | 1 |
| 18 | 33 | 665 | 32.8 | 3897 | 808.7 | 1.31 | 21 | 43 | 12 | 25 | 0.6 | - | - |
| 19 | 12 | 690 | 29.3 | 4360 | 610.1 | 1.32 | 5 | 40 | 7 | 85 | 1.4 | - | - |
| 20 | 16 | 701 | 22.2 | 4422 | 645.2 | 1.28 | 7 | 29 | 9 | 33 | 1.3 | - | - |
| 21 | 11 | 701 | 42.5 | 4595 | 897.1 | 1.32 | 2 | 50 | 9 | 33 | 4.5 | - | - |
| 22 | 10 | 712 | 22.7 | 4330 | 336.8 | 1.20 | 4 | 25 | 6 | 50 | 1.5 | - | - |
| 23 | 11 | 720 | 37.1 | 4866 | 778.5 | 1.30 | 5 | 80 | 6 | 50 | 1.2 | - | - |
| 24 | 7 | 736 | 20.4 | 5164 | 442.3 | 1.30 | 3 | 100 | 4 | 0 | 1.3 | - | - |
| 25 | 7 | 767 | 20.2 | 6171 | 649.3 | 1.37 | 2 | 50 | 5 | 80 | 2.5 | - | - |
| 26 | 11 | 755 | 52.7 | 5440 | 1102.7 | 1.25 | 5 | 80 | 6 | 100 | 1.2 | - | - |
| 27 | 9 | 817 | 32.1 | 6972 | 831.8 | 1.28 | 6 | 100 | 3 | 100 | 0.5 | - | - |
| 28 | 8 | 810 | 65.3 | 6137 | 1079.6 | 1.15 | 5 | 100 | 3 | 33 | 0.6 | - | - |
| 29 | 2 | 834 | 5.6 | 6850 | 636.4 | 1.18 | 1 | 100 | 1 | 0 | 1.0 | - | - |
| 30 | 2 | 861 | 54.4 | 7350 | 778.8 | 1.15 | 2 | 100 | - | - | - | - | - |
| 31 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 32 | 1 | 867 | - | 7200 | - | 1.10 | 1 | 100 | - | - | - | - | - |
| 33 | 1 | 783 | - | 6000 | - | 1.25 | - | - | - | - | - | - | - |
| Unknown | 68 | 852 | 160.3 | 8384 | 3844.9 | 1.26 | 13 | - | 13 | - | 1.0 | 42 | 3 |
| Total | 496 | - | - | - | - | - | 228 | 31 | 223 | 34 | 1.0 | 42 | 3 |
| Mean[a] | 17.0[b] | 627 | 90.4 | 3292 | 1551.0 | 1.25 | - | - | - | - | - | - | - |

[a] Mean values exclude trophy fish.

[b] Mean age.

Table 41. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel and dead sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 5 | 159 | 25.8 | 57 | 12.0 | 1.84 | - | - | 1 | 0 | - | 4 |
| 5 | 31 | 195 | 16.9 | 75 | 19.9 | 1.00 | 1 | 0 | - | - | - | 30 |
| 6 | 14 | 224 | 16.8 | 107 | 23.3 | 0.94 | 2 | 0 | 2 | 0 | 1.0 | 10 |
| 7 | 8 | 256 | 25.0 | 180 | 72.4 | 1.04 | 1 | 0 | 3 | 0 | 3.0 | 4 |
| 8 | 6 | 280 | 15.3 | 222 | 56.0 | 1.04 | - | - | 1 | 0 | - | 5 |
| 9 | 8 | 342 | 41.2 | 431 | 203.4 | 1.02 | 2 | 0 | 3 | 0 | 1.5 | 3 |
| 10 | 10 | 415 | 27.1 | 765 | 282.9 | 1.01 | 3 | 0 | 6 | 0 | 2.0 | 1 |
| 11 | 21 | 458 | 48.9 | 1163 | 509.5 | 1.14 | 9 | 0 | 12 | 8 | 1.3 | - |
| 12 | 42 | 499 | 32.4 | 1493 | 367.4 | 1.18 | 20 | 10 | 22 | 14 | 1.1 | - |
| 13 | 50 | 537 | 30.0 | 1849 | 411.6 | 1.18 | 25 | 16 | 25 | 8 | 1.0 | - |
| 14 | 77 | 564 | 28.8 | 2254 | 423.6 | 1.25 | 35 | 17 | 41 | 34 | 1.2 | 1 |
| 15 | 77 | 588 | 36.1 | 2637 | 678.3 | 1.27 | 40 | 33 | 37 | 38 | 0.9 | - |
| 16 | 57 | 613 | 33.9 | 2956 | 633.5 | 1.27 | 23 | 26 | 34 | 44 | 1.5 | - |
| 17 | 39 | 641 | 39.7 | 3327 | 834.4 | 1.24 | 20 | 40 | 18 | 33 | 0.9 | 1 |
| 18 | 34 | 664 | 33.6 | 3912 | 801.0 | 1.34 | 21 | 43 | 13 | 31 | 0.6 | - |
| 19 | 14 | 694 | 31.1 | 4537 | 756.9 | 1.35 | 6 | 50 | 8 | 88 | 1.3 | - |
| 20 | 19 | 701 | 22.9 | 4510 | 651.8 | 1.30 | 7 | 29 | 12 | 33 | 1.7 | - |
| 21 | 13 | 701 | 40.4 | 4588 | 861.0 | 1.32 | 3 | 33 | 10 | 40 | 3.3 | - |
| 22 | 10 | 712 | 22.7 | 4330 | 336.8 | 1.20 | 4 | 25 | 6 | 50 | 1.5 | - |
| 23 | 12 | 724 | 37.3 | 5035 | 953.9 | 1.32 | 5 | 80 | 7 | 57 | 1.4 | - |
| 24 | 10 | 748 | 27.6 | 5415 | 679.9 | 1.29 | 4 | 100 | 6 | 17 | 1.5 | - |
| 25 | 7 | 767 | 20.2 | 6171 | 649.3 | 1.37 | 2 | 50 | 5 | 80 | 2.5 | - |
| 26 | 12 | 760 | 53.0 | 5608 | 1200.7 | 1.26 | 5 | 80 | 7 | 100 | 1.4 | - |
| 27 | 10 | 813 | 32.9 | 6925 | 798.3 | 1.29 | 6 | 100 | 4 | 100 | 0.7 | - |
| 28 | 8 | 810 | 65.3 | 6137 | 1079.6 | 1.15 | 5 | 100 | 3 | 66 | 0.6 | - |
| 29 | 3 | 852 | 32.0 | 8300 | 2551.5 | 1.32 | 2 | 100 | 1 | 100 | 0.5 | - |
| 30 | 2 | 861 | 54.4 | 7350 | 777.8 | 1.15 | 2 | 100 | - | - | - | - |
| 31 | - | - | - | - | - | - | - | - | - | - | - | - |
| 32 | 1 | 867 | - | 7200 | - | 1.10 | 1 | 100 | - | - | - | - |
| 33 | 1 | 783 | - | 6000 | - | 1.25 | - | - | 1 | 100 | - | - |
| Unknown | 30 | 661 | 94.2 | 4008 | 1768.5 | 1.30 | - | - | - | - | - | - |
| Total | 631 | - | - | - | - | - | 254 | 33 | 288 | 35 | 1.1 | 59 |
| Mean | 14.6[a] | 570 | 154.3 | 2811 | 1802.8 | 1.23 | - | - | - | - | - | - |

[a] Mean age.

Table 42. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for dead sampled lake trout from experimental nets at Plummer's Great Slave Lake Lodge, 1977.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 5 | 159 | 25.8 | 57 | 12.0 | 1.84 | - | - | 1 | 0 | - | 4 |
| 5 | 31 | 195 | 16.9 | 75 | 19.8 | 1.00 | 1 | 0 | - | - | - | 30 |
| 6 | 14 | 224 | 16.8 | 107 | 23.3 | 0.94 | 2 | 0 | 2 | 0 | 1.0 | 10 |
| 7 | 8 | 256 | 25.0 | 180 | 72.4 | 1.04 | 1 | 0 | 3 | 0 | 3.0 | 4 |
| 8 | 6 | 280 | 15.3 | 222 | 56.0 | 1.04 | - | - | 1 | 0 | - | 5 |
| 9 | 8 | 342 | 41.2 | 431 | 203.4 | 1.02 | 2 | 0 | 3 | 0 | 1.5 | 3 |
| 10 | 8 | 414 | 29.1 | 756 | 315.6 | 1.02 | 3 | 0 | 5 | 0 | 1.7 | - |
| 11 | 15 | 438 | 37.2 | 968 | 289.1 | 1.12 | 6 | 0 | 9 | 11 | 1.5 | - |
| 12 | 12 | 489 | 30.7 | 1419 | 296.4 | 1.20 | 2 | 50 | 10 | 20 | 5.0 | - |
| 13 | 7 | 538 | 33.6 | 1964 | 467.9 | 1.24 | 2 | 50 | 5 | 0 | 2.5 | - |
| 14 | 12 | 557 | 35.2 | 2325 | 253.6 | 1.36 | 2 | 50 | 10 | 60 | 5.0 | - |
| 15 | 17 | 573 | 48.3 | 2515 | 776.8 | 1.30 | 7 | 29 | 10 | 50 | 1.4 | - |
| 16 | 11 | 604 | 32.3 | 2882 | 505.1 | 1.30 | 5 | 80 | 6 | 33 | 1.2 | - |
| 17 | 4 | 651 | 32.8 | 3750 | 793.7 | 1.34 | 2 | 50 | 2 | 0 | 1.0 | - |
| 18 | 1 | 610 | - | 4400 | - | 1.94 | - | - | 1 | 100 | - | - |
| 19 | 2 | 715 | 45.2 | 5600 | 848.5 | 1.53 | 1 | 100 | 1 | 100 | 1.0 | - |
| 20 | 3 | 701 | 32.3 | 4983 | 550.7 | 1.45 | - | - | 3 | 33 | - | - |
| 21 | 2 | 701 | 38.2 | 4550 | 919.2 | 1.31 | 1 | 0 | 1 | 100 | 1.0 | - |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | 1 | 761 | - | 6900 | - | 1.56 | - | - | 1 | 100 | - | - |
| 24 | 3 | 776 | 22.9 | 6000 | 872 | 1.28 | 1 | 100 | 2 | 50 | 2.0 | - |
| 25 | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | 1 | 814 | - | 7450 | - | 1.38 | - | - | 1 | 100 | - | - |
| 27 | 1 | 776 | - | 6500 | - | 1.39 | - | - | 1 | 100 | - | - |
| 28 | - | - | - | - | - | - | - | - | - | - | - | - |
| 29 | 1 | 889 | - | 11200 | - | 1.59 | 1 | 100 | - | - | - | - |
| Unknown | 4 | 566 | 82.1 | 2700 | 1243.0 | 1.38 | 2 | - | 2 | - | 1.0 | - |
| Total | 177 | - | - | - | - | - | 41 | 31 | 80 | 30 | 1.9 | 56 |
| Mean | 11.1[a] | 424 | 185.4 | 1579 | 1822.0 | 1.18 | - | - | - | - | - | - |

[a] Mean age.

Table 43. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for all lake trout sampled at Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 11 | 179 | 7.6 | 90 | 51.6 | 1.44 | | | | | - | 11 |
| 6 | 24 | 190 | 8.4 | 118 | 44.9 | 1.70 | 1 | 0 | 1 | 0 | 1.0 | 22 |
| 7 | 15 | 196 | 9.4 | 130 | 45.5 | 1.70 | 2 | 0 | 1 | 0 | 0.5 | 12 |
| 8 | 11 | 208 | 10.4 | 155 | 65.0 | 1.70 | 1 | 0 | - | - | - | 10 |
| 9 | 6 | 234 | 17.7 | 167 | 51.6 | 1.27 | 3 | 0 | - | - | - | 3 |
| 10 | 3 | 302 | 7.6 | 333 | 57.7 | 1.21 | - | - | 2 | 0 | - | 1 |
| 11 | 2 | 312 | 8.5 | 400 | - | 1.32 | - | - | 1 | 0 | - | 1 |
| 12 | 4 | 388 | 25.2 | 625 | 170.7 | 1.05 | 2 | 0 | 1 | 0 | 0.5 | 1 |
| 13 | 9 | 452 | 54.4 | 994 | 387.6 | 1.03 | 4 | 0 | 5 | 0 | 1.3 | - |
| 14 | 22 | 465 | 51.0 | 1227 | 413.3 | 1.19 | 7 | 14 | 15 | 0 | 2.1 | - |
| 15 | 20 | 509 | 42.9 | 1550 | 395.4 | 1.16 | 8 | 13 | 12 | 25 | 1.5 | - |
| 16 | 38 | 536 | 31.8 | 1823 | 363.1 | 1.18 | 18 | 11 | 20 | 10 | 1.1 | - |
| 17 | 43 | 555 | 31.7 | 2081 | 384.9 | 1.21 | 22 | 27 | 21 | 19 | 1.0 | - |
| 18 | 47 | 576 | 28.0 | 2372 | 337.9 | 1.24 | 23 | 26 | 24 | 38 | 1.0 | - |
| 19 | 37 | 591 | 34.9 | 2581 | 485.2 | 1.24 | 19 | 37 | 18 | 22 | 0.9 | - |
| 20 | 36 | 605 | 36.2 | 2798 | 527.9 | 1.26 | 15 | 33 | 21 | 29 | 1.4 | - |
| 21 | 27 | 594 | 43.3 | 2644 | 571.9 | 1.25 | 13 | 38 | 14 | 21 | 1.1 | - |
| 22 | 22 | 640 | 35.9 | 3318 | 629.2 | 1.26 | 14 | 57 | 8 | 38 | 0.6 | - |
| 23 | 25 | 626 | 39.8 | 3176 | 654.7 | 1.29 | 9 | 33 | 16 | 69 | 1.8 | - |
| 24 | 26 | 633 | 50.3 | 3231 | 766.7 | 1.26 | 13 | 38 | 13 | 38 | 1.0 | - |
| 25 | 24 | 666 | 52.9 | 3921 | 859.2 | 1.31 | 9 | 33 | 15 | 53 | 1.7 | - |
| 26 | 16 | 703 | 61.7 | 4350 | 1173.0 | 1.23 | 10 | 40 | 6 | 50 | 0.6 | - |
| 27 | 16 | 731 | 68.8 | 5206 | 1522.0 | 1.31 | 10 | 67 | 6 | 50 | 0.6 | - |
| 28 | 14 | 757 | 70.0 | 5500 | 1638.9 | 1.24 | 7 | 100 | 7 | 60 | 1.0 | - |
| 29 | 6 | 784 | 73.5 | 6583 | 2035.1 | 1.34 | 2 | 100 | 4 | 50 | 2.0 | - |
| 30 | 7 | 795 | 65.3 | 5871 | 1433.8 | 1.16 | 6 | 80 | 1 | 100 | 0.2 | - |
| 31 | 8 | 832 | 62.7 | 8175 | 2499.0 | 1.39 | 3 | 66 | 5 | 80 | 1.7 | - |
| 32 | 5 | 856 | 41.6 | 7860 | 1128.3 | 1.26 | - | - | 5 | 80 | - | - |
| 33 | 13 | 859 | 37.8 | 7815 | 1399.3 | 1.23 | 9 | 40 | 4 | 50 | 0.4 | - |
| 34 | 10 | 843 | 50.5 | 7920 | 1720.3 | 1.30 | 6 | 66 | 4 | 100 | 0.7 | - |
| 35 | 9 | 873 | 43.3 | 9078 | 2066.3 | 1.36 | 3 | 0 | 6 | 50 | 2.0 | - |
| 36 | 7 | 894 | 37.5 | 10114 | 2821.6 | 1.39 | 3 | 66 | 4 | 50 | 1.3 | - |
| 37 | 8 | 910 | 32.0 | 9338 | 1050.1 | 1.25 | 5 | 80 | 3 | 66 | 0.7 | - |
| 38 | 4 | 920 | 38.8 | 9900 | 3082.2 | 1.25 | 1 | 100 | 3 | 100 | 3.0 | - |
| 39 | 5 | 934 | 63.6 | 11380 | 3826.5 | 1.36 | 2 | 50 | 3 | 100 | 1.5 | - |
| 40 | 3 | 930 | 20.6 | 10100 | 1153.3 | 1.26 | 2 | 100 | 1 | 100 | 0.5 | - |
| 41 | 1 | 935 | - | 13500 | - | 1.65 | - | - | 1 | 100 | - | - |
| 42 | 1 | 955 | - | 12500 | - | 1.44 | - | - | 1 | 0 | - | - |
| 44 | 1 | 988 | - | 12300 | - | 1.28 | - | - | 1 | 100 | - | - |
| 49 | 1 | 1018 | - | 14000 | - | 1.33 | - | - | 1 | 100 | - | - |
| Unknown | 551 | 614 | 113.9 | 3377 | 2211.5 | 1.30 | - | - | - | - | - | - |
| Total | 1138 | - | - | - | - | - | 252 | 37 | 274 | 33 | 1.1 | 61 |
| Mean | 20.5[a] | 600 | 157.8 | 3352 | 2541.5 | 1.29 | - | - | - | - | - | - |

[a] Mean age.

Table 44. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel sampled lake trout from Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 4 | 496 | 29.8 | 1275 | 340.3 | 1.03 | 1 | 0 | 3 | 0 | 3.0 |
| 14 | 10 | 507 | 39.8 | 1590 | 310.7 | 1.21 | 4 | 25 | 6 | 0 | 1.5 |
| 15 | 11 | 522 | 51.9 | 1645 | 498.7 | 1.13 | 4 | 25 | 7 | 29 | 1.8 |
| 16 | 25 | 548 | 24.3 | 1943 | 349.7 | 1.18 | 11 | 18 | 14 | 7 | 1.3 |
| 17 | 32 | 561 | 27.0 | 2131 | 344.9 | 1.20 | 18 | 28 | 14 | 29 | 0.8 |
| 18 | 42 | 578 | 25.4 | 2390 | 310.6 | 1.24 | 19 | 21 | 23 | 39 | 1.2 |
| 19 | 29 | 598 | 31.3 | 2666 | 403.8 | 1.25 | 13 | 54 | 16 | 25 | 1.2 |
| 20 | 33 | 605 | 37.3 | 2803 | 545.8 | 1.26 | 14 | 29 | 19 | 26 | 1.4 |
| 21 | 22 | 602 | 38.8 | 2677 | 578.1 | 1.22 | 10 | 50 | 12 | 25 | 1.2 |
| 22 | 18 | 648 | 32.9 | 3394 | 666.4 | 1.24 | 14 | 57 | 4 | 0 | 0.3 |
| 23 | 20 | 630 | 40.2 | 3215 | 670.0 | 1.28 | 8 | 38 | 12 | 67 | 1.5 |
| 24 | 21 | 637 | 43.7 | 3267 | 590.2 | 1.26 | 10 | 30 | 11 | 45 | 1.1 |
| 25 | 21 | 665 | 56.2 | 3919 | 888.0 | 1.32 | 9 | 66 | 12 | 58 | 1.3 |
| 26 | 15 | 706 | 62.5 | 4427 | 1172.0 | 1.24 | 10 | 40 | 5 | 60 | 0.5 |
| 27 | 12 | 739 | 34.8 | 5050 | 716.7 | 1.25 | 7 | 57 | 5 | 40 | 0.7 |
| 28 | 9 | 751 | 71.7 | 5233 | 1535.4 | 1.22 | 5 | 100 | 4 | 25 | 0.8 |
| 29 | 4 | 767 | 64.0 | 5875 | 853.9 | 1.31 | 1 | 100 | 3 | 67 | 3.1 |
| 30 | 6 | 794 | 71.5 | 5700 | 1489.9 | 1.13 | 5 | 80 | 1 | 100 | 0.2 |
| 31 | 2 | 798 | 3.5 | 6100 | 282.8 | 1.20 | - | - | 2 | 50 | - |
| 32 | 3 | 851 | 57.8 | 7167 | 702.4 | 1.18 | - | - | 3 | 67 | - |
| 33 | 7 | 851 | 26.3 | 7129 | 752.1 | 1.15 | 5 | 60 | 2 | 0 | 0.4 |
| 34 | 5 | 815 | 48.7 | 6820 | 1545.0 | 1.24 | 4 | 50 | 1 | 100 | 0.3 |
| 35 | 1 | 800 | - | 5800 | - | 1.13 | - | - | 1 | 100 | - |
| 36 | 2 | 865 | 35.4 | 7550 | 777.8 | 1.17 | 1 | 0 | 1 | 100 | 1.0 |
| 37 | 2 | 914 | 82.7 | 7750 | 494.9 | 1.03 | 2 | 50 | 1 | 0 | 0.5 |
| 38 | 1 | 883 | - | 8200 | - | 1.19 | - | - | 1 | 100 | - |
| Unknown | 27 | 661 | 100.9 | 3776 | 1807.2 | 1.22 | - | - | - | - | - |
| Total | 384 | - | - | - | - | - | 175 | 40 | 182 | 35 | 1.0 |
| Mean | 21.4[a] | 631 | 94.1 | 3274 | 1579.4 | 1.23 | - | - | - | - | - |

[a] Mean age.

Table 45. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for trophy lake trout from Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 2 | 792 | 136.5 | 7950 | 2192.0 | 1.63 | 1 | 100 | 1 | 0 | 1.0 |
| 28 | 2 | 823 | 24.7 | 7650 | 212.1 | 1.38 | - | - | 2 | 100 | - |
| 29 | 1 | 893 | - | 10500 | - | 1.47 | - | - | 1 | 100 | - |
| 30 | 1 | 800 | - | 6900 | - | 1.35 | 1 | 100 | - | - | - |
| 31 | 5 | 853 | 73.9 | 9280 | 2599.4 | 1.48 | 3 | 100 | 2 | 50 | 0.7 |
| 32 | 2 | 865 | - | 8900 | 707.1 | 1.38 | - | - | 2 | 100 | - |
| 33 | 6 | 868 | 49.2 | 8617 | 1609.2 | 1.31 | 4 | 50 | 2 | 100 | 0.5 |
| 34 | 5 | 871 | 37.1 | 9020 | 1116.7 | 1.36 | 2 | 50 | 3 | 66 | 1.5 |
| 35 | 8 | 883 | 35.6 | 9488 | 1775.6 | 1.38 | 3 | 100 | 5 | 60 | 1.7 |
| 36 | 5 | 906 | 34.7 | 11140 | 2681.0 | 1.48 | 2 | 100 | 3 | 66 | 1.5 |
| 37 | 6 | 908 | 7.4 | 9867 | 388.2 | 1.32 | 3 | 66 | 3 | 66 | 1.0 |
| 38 | 3 | 933 | 36.6 | 10467 | 3510.4 | 1.27 | 1 | 100 | 2 | 50 | 2.0 |
| 39 | 5 | 934 | 63.6 | 11380 | 3826.5 | 1.36 | 2 | 100 | 3 | 100 | 1.5 |
| 40 | 3 | 930 | 20.6 | 10100 | 1153.3 | 1.26 | 2 | 100 | 1 | 0 | 0.5 |
| 41 | 1 | 935 | - | 13500 | - | 1.65 | - | - | 1 | 0 | - |
| 42 | 1 | 955 | - | 12500 | - | 1.44 | - | - | 1 | 100 | - |
| 43 | - | - | - | - | - | - | - | - | - | - | - |
| 44 | 1 | 988 | - | 12300 | - | 1.28 | - | - | 1 | 100 | - |
| 45 | - | - | - | - | - | - | - | - | - | - | - |
| 46 | - | - | - | - | - | - | - | - | - | - | - |
| 47 | - | - | - | - | - | - | - | - | - | - | - |
| 48 | - | - | - | - | - | - | - | - | - | - | - |
| 49 | 1 | 1018 | - | 14000 | - | 1.33 | - | - | 1 | 100 | - |
| Unknown | 14 | 871 | 41.7 | 9186 | 1210.8 | 1.39 | - | - | - | - | - |
| Total | 72 | - | - | - | - | - | 24 | 88 | 34 | 71 | 1.4 |
| Mean | 35.2[a] | 887 | 56.3 | 9721 | 2122.0 | 1.38 | - | - | - | - | - |

[a] Mean age.

Table 46. Mean length, mean weight, condition factor, maturity and sex ratio by age for creel sampled and dead sampled lake trout from experimental nets at Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 11 | 179 | 7.6 | 90 | 51.6 | 1.44 | - | - | - | - | - | 11 |
| 6 | 24 | 190 | 8.4 | 118 | 44.9 | 1.71 | 1 | 0 | 1 | 0 | 1.0 | 22 |
| 7 | 15 | 196 | 9.4 | 130 | 45.5 | 1.70 | 2 | 0 | 1 | 0 | 0.5 | 12 |
| 8 | 11 | 208 | 10.4 | 155 | 65.0 | 1.70 | 1 | 0 | - | - | - | 10 |
| 9 | 6 | 234 | 17.8 | 167 | 51.6 | 1.27 | 3 | 0 | - | - | - | 3 |
| 10 | 3 | 302 | 7.6 | 333 | 57.7 | 1.21 | - | - | 2 | 0 | - | 1 |
| 11 | 2 | 312 | 8.5 | 400 | - | 1.32 | - | - | 1 | 0 | - | 1 |
| 12 | 4 | 388 | 25.2 | 625 | 170.8 | 1.05 | 2 | 0 | 1 | 0 | 0.5 | 1 |
| 13 | 9 | 452 | 54.4 | 994 | 387.7 | 1.03 | 4 | 0 | 5 | 0 | 1.3 | - |
| 14 | 22 | 465 | 51.0 | 1227 | 413.4 | 1.19 | 7 | 14 | 15 | 0 | 2.1 | - |
| 15 | 20 | 509 | 42.9 | 1550 | 395.4 | 1.16 | 8 | 13 | 12 | 25 | 1.5 | - |
| 16 | 38 | 536 | 31.8 | 1823 | 363.1 | 1.18 | 18 | 11 | 20 | 10 | 1.1 | - |
| 17 | 43 | 555 | 31.7 | 2081 | 385.0 | 1.21 | 22 | 27 | 21 | 19 | 1.0 | - |
| 18 | 47 | 576 | 28.0 | 2372 | 337.9 | 1.24 | 23 | 26 | 24 | 38 | 1.0 | - |
| 19 | 37 | 591 | 34.9 | 2581 | 485.2 | 1.24 | 19 | 37 | 18 | 22 | 0.9 | - |
| 20 | 36 | 605 | 36.2 | 2798 | 527.9 | 1.26 | 15 | 33 | 21 | 29 | 1.4 | - |
| 21 | 27 | 594 | 43.3 | 2644 | 572.0 | 1.25 | 13 | 38 | 14 | 21 | 1.1 | - |
| 22 | 22 | 640 | 36.0 | 3318 | 629.2 | 1.26 | 14 | 57 | 8 | 38 | 0.6 | - |
| 23 | 25 | 626 | 39.8 | 3176 | 654.7 | 1.29 | 9 | 33 | 16 | 69 | 1.8 | - |
| 24 | 26 | 633 | 50.3 | 3231 | 766.7 | 1.26 | 13 | 38 | 13 | 38 | 1.0 | - |
| 25 | 24 | 666 | 52.9 | 3921 | 859.2 | 1.31 | 9 | 33 | 15 | 53 | 1.7 | - |
| 26 | 16 | 703 | 61.7 | 4350 | 1173.0 | 1.23 | 10 | 40 | 6 | 50 | 0.6 | - |
| 27 | 14 | 722 | 58.1 | 4814 | 990.0 | 1.26 | 9 | 67 | 5 | 40 | 0.6 | - |
| 28 | 12 | 746 | 69.4 | 5142 | 1470.8 | 1.22 | 7 | 100 | 5 | 40 | 0.7 | - |
| 29 | 5 | 762 | 56.3 | 5800 | 758.3 | 1.32 | 2 | 100 | 3 | 67 | 1.5 | - |
| 30 | 6 | 794 | 71.5 | 5700 | 1490.0 | 1.13 | 5 | 80 | 1 | 100 | 0.2 | - |
| 31 | 3 | 798 | 2.5 | 6333 | 450.9 | 1.25 | - | - | 3 | 67 | - | - |
| 32 | 3 | 851 | 57.8 | 7167 | 702.4 | 1.18 | - | - | 3 | 67 | - | - |
| 33 | 7 | 851 | 26.3 | 7129 | 752.1 | 1.15 | 5 | 60 | 2 | 0 | 0.4 | - |
| 34 | 5 | 815 | 48.7 | 6820 | 1545.0 | 1.24 | 4 | 50 | 1 | 100 | 0.3 | - |
| 35 | 1 | 800 | - | 5800 | - | 1.13 | - | - | 1 | 100 | - | - |
| 36 | 2 | 865 | 35.4 | 7550 | 777.8 | 1.17 | 1 | 0 | 1 | 100 | 1.0 | - |
| 37 | 2 | 914 | 82.7 | 7750 | 495.0 | 1.03 | 2 | 50 | - | - | - | - |
| 38 | 1 | 883 | - | 8200 | - | 1.19 | - | - | 1 | 100 | - | - |
| Unknown | 32 | 631 | 133.8 | 3468 | 1872.1 | 1.23 | - | - | - | - | - | - |
| Total | 561 | - | - | - | - | - | 228 | 36 | 240 | 32 | 1.1 | 61 |
| Mean | 18.9[a] | 558 | 166.8 | 2661 | 1766.4 | 1.27 | - | - | - | - | - | - |

[a] Mean age.

Table 47. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for dead sampled lake trout from experimental nets at Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio | No. Sex Unknown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 11 | 179 | 7.6 | 90 | 51.6 | 1.44 | - | - | - | - | - | 11 |
| 6 | 24 | 190 | 8.4 | 118 | 44.9 | 1.71 | 1 | 0 | 1 | 0 | 1.0 | 22 |
| 7 | 15 | 196 | 9.4 | 130 | 45.5 | 1.70 | 2 | 0 | 1 | 0 | 0.5 | 12 |
| 8 | 11 | 208 | 10.4 | 155 | 65.0 | 1.70 | 1 | 0 | - | - | - | 10 |
| 9 | 6 | 234 | 17.8 | 167 | 51.7 | 1.27 | 3 | 0 | - | - | - | 3 |
| 10 | 3 | 302 | 7.6 | 333 | 57.7 | 1.21 | - | - | 2 | 0 | - | 1 |
| 11 | 2 | 312 | 8.5 | 400 | - | 1.32 | - | - | 1 | 0 | - | 1 |
| 12 | 4 | 388 | 25.2 | 625 | 170.8 | 1.05 | 2 | 0 | 1 | 0 | 0.5 | 1 |
| 13 | 5 | 417 | 43.3 | 770 | 268.3 | 1.02 | 3 | 0 | 2 | 0 | 0.7 | - |
| 14 | 12 | 429 | 25.0 | 925 | 167.2 | 1.16 | 3 | 0 | 9 | 0 | 3.0 | - |
| 15 | 9 | 494 | 23.3 | 1433 | 180.3 | 1.19 | 4 | 0 | 5 | 20 | 1.3 | - |
| 16 | 13 | 513 | 33.1 | 1592 | 272.2 | 1.17 | 7 | 0 | 6 | 17 | 0.9 | - |
| 17 | 11 | 539 | 39.6 | 1936 | 471.8 | 1.23 | 4 | 25 | 7 | 0 | 1.8 | - |
| 18 | 5 | 556 | 43.3 | 2220 | 540.4 | 1.27 | 4 | 50 | 1 | 0 | 0.3 | - |
| 19 | 8 | 565 | 37.3 | 2275 | 649.7 | 1.24 | 6 | 0 | 2 | 0 | 0.3 | - |
| 20 | 3 | 608 | 25.7 | 2733 | 321.5 | 1.22 | 1 | 100 | 2 | 50 | 2.0 | - |
| 21 | 5 | 560 | 50.4 | 2500 | 583.1 | 1.42 | 3 | 0 | 2 | 0 | 0.7 | - |
| 22 | 4 | 601 | 20.8 | 2975 | 250.0 | 1.37 | - | - | 4 | 75 | - | - |
| 23 | 5 | 611 | 38.5 | 3020 | 634.0 | 1.31 | 1 | 0 | 4 | 75 | 4.0 | - |
| 24 | 5 | 616 | 76.5 | 3080 | 1377.3 | 1.26 | 3 | 67 | 2 | 0 | 0.7 | - |
| 25 | 3 | 674 | 21.5 | 3933 | 776.7 | 1.28 | - | - | 3 | 33 | - | - |
| 26 | 1 | 656 | - | 3200 | - | 1.13 | - | - | 1 | 0 | - | - |
| 27 | 2 | 624 | 88.4 | 3400 | 1555.6 | 1.35 | 2 | 100 | - | - | - | - |
| 28 | 3 | 729 | 73.1 | 4867 | 1569.5 | 1.23 | 2 | 100 | 1 | 100 | 0.5 | - |
| 29 | 1 | 744 | - | 5500 | - | 1.34 | 1 | 100 | - | - | - | - |
| 30 | - | - | - | - | - | - | - | - | - | - | - | - |
| 31 | 1 | 798 | - | 6800 | - | 1.34 | - | - | 1 | 100 | - | - |
| Unknown | 5 | 471 | 184.5 | 1810 | 1364.0 | 1.25 | - | - | - | - | - | - |
| Total | 177 | - | - | - | - | - | 53 | 21 | 58 | 21 | 1.1 | 61 |
| Mean | 13.6[a] | 401 | 181.6 | 1322 | 1371.0 | 1.37 | - | - | - | - | - | - |

[a] Mean age.

Table 48. Mean fork length, mean weight, condition factor, maturity and sex ratio by age for creel sampled and trophy lake trout from Arctic Star Lodge, 1978.

| Age (yr) | No. | Fork Length (mm) Mean | Fork Length (mm) SD | Weight (g) Mean | Weight (g) SD | Condition Factor | Males No. | Males %Mature | Females No. | Females %Mature | F/M Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 4 | 496 | 29.8 | 1275 | 340.3 | 1.03 | 1 | 0 | 3 | 0 | 3.0 |
| 14 | 10 | 507 | 39.8 | 1590 | 310.7 | 1.21 | 4 | 25 | 6 | 0 | 1.5 |
| 15 | 11 | 522 | 51.9 | 1645 | 498.8 | 1.13 | 4 | 25 | 7 | 29 | 1.8 |
| 16 | 25 | 548 | 24.3 | 1943 | 349.7 | 1.18 | 11 | 18 | 14 | 27 | 1.3 |
| 17 | 32 | 561 | 27.0 | 2131 | 345.0 | 1.20 | 18 | 28 | 14 | 29 | 0.8 |
| 18 | 42 | 578 | 25.4 | 2390 | 310.6 | 1.24 | 19 | 21 | 23 | 39 | 1.2 |
| 19 | 29 | 598 | 31.3 | 2666 | 403.8 | 1.25 | 13 | 54 | 16 | 25 | 1.2 |
| 20 | 33 | 605 | 37.3 | 2803 | 545.8 | 1.26 | 14 | 29 | 19 | 26 | 1.4 |
| 21 | 22 | 602 | 38.8 | 2677 | 578.1 | 1.22 | 10 | 50 | 12 | 25 | 1.2 |
| 22 | 18 | 648 | 32.9 | 3394 | 666.4 | 1.24 | 14 | 57 | 4 | 0 | 0.3 |
| 23 | 20 | 630 | 40.2 | 3215 | 669.9 | 1.28 | 8 | 38 | 12 | 67 | 1.5 |
| 24 | 21 | 637 | 43.7 | 3267 | 590.2 | 1.26 | 10 | 30 | 11 | 45 | 1.1 |
| 25 | 21 | 665 | 56.2 | 3919 | 888.0 | 1.32 | 9 | 33 | 12 | 58 | 1.3 |
| 26 | 15 | 706 | 62.5 | 4427 | 1172.0 | 1.24 | 10 | 40 | 5 | 60 | 0.5 |
| 27 | 14 | 746 | 53.1 | 5464 | 1383.2 | 1.30 | 8 | 63 | 6 | 33 | 0.8 |
| 28 | 11 | 764 | 70.8 | 5672 | 1687.1 | 1.25 | 5 | 100 | 6 | 50 | 1.2 |
| 29 | 5 | 792 | 79.2 | 6800 | 2196.6 | 1.34 | 1 | 100 | 4 | 75 | 4.0 |
| 30 | 7 | 795 | 65.3 | 5871 | 1433.8 | 1.16 | 6 | 83 | 1 | 100 | 0.2 |
| 31 | 7 | 837 | 66.1 | 8371 | 2631.7 | 1.40 | 3 | 100 | 4 | 50 | 1.3 |
| 32 | 5 | 856 | 41.6 | 7860 | 1128.3 | 1.26 | - | - | 5 | 80 | - |
| 33 | 13 | 859 | 37.8 | 7815 | 1399.3 | 1.23 | 9 | 56 | 4 | 50 | 0.4 |
| 34 | 10 | 843 | 50.5 | 7920 | 1720.3 | 1.30 | 6 | 67 | 4 | 75 | 0.7 |
| 35 | 9 | 873 | 43.3 | 9078 | 2066.3 | 1.36 | 3 | 100 | 6 | 67 | 2.0 |
| 36 | 7 | 894 | 37.5 | 10114 | 2821.6 | 1.39 | 3 | 67 | 4 | 75 | 1.3 |
| 37 | 8 | 910 | 32.0 | 9338 | 1050.1 | 1.25 | 5 | 60 | 3 | 67 | 0.6 |
| 38 | 4 | 920 | 38.8 | 9900 | 3082.2 | 1.25 | 1 | 100 | 3 | 67 | 3.0 |
| 39 | 5 | 934 | 63.6 | 11380 | 3826.5 | 1.36 | 2 | 100 | 3 | 100 | 1.5 |
| 40 | 3 | 930 | 20.6 | 10100 | 1153.3 | 1.26 | 2 | 100 | 1 | 0 | 0.5 |
| 41 | 1 | 935 | - | 13500 | - | 1.65 | - | - | 1 | 0 | - |
| 42 | 1 | 955 | - | 12500 | - | 1.44 | - | - | 1 | 100 | - |
| 43 | - | - | - | - | - | - | - | - | - | - | - |
| 44 | 1 | 988 | - | 12300 | - | 1.28 | - | - | 1 | 100 | - |
| 45 | - | - | - | - | - | - | - | - | - | - | - |
| 46 | - | - | - | - | - | - | - | - | - | - | - |
| 47 | - | - | - | - | - | - | - | - | - | - | - |
| 48 | - | - | - | - | - | - | - | - | - | - | - |
| 49 | 1 | 1018 | - | 14000 | - | 1.33 | - | - | 1 | 100 | - |
| Unknown | 41 | 733 | 131.6 | 5623 | 3057.0 | 1.28 | - | - | - | - | - |
| Total | 456 | - | - | - | - | - | 199 | 46 | 216 | 41 | 1.1 |
| Mean | 23.4[a] | 671 | 129.2 | 4292 | 2888.0 | 1.25 | - | - | - | - | - |

[a] Mean age.

Table 49. Annual mortality rates for lake trout from four sport fishing lodges on Great Bear and Great Slave lakes, 1972-1978.

| Lodge | Year | Type of frequency data of age-classes used | Age-classes used | Survival (S) | SE of S | Var. of S | Annual Mortality Rate (A), where A=1-S |
|---|---|---|---|---|---|---|---|
| Great Bear Lake Lodge | 1972 | actual and irregular[a] | 26-42 | 0.7227 | 0.0161 | 0.0003 | 0.2773 |
| | | moving mean[b] | 26-42 | 0.7106 | 0.0177 | 0.0003 | 0.2894 |
| | 1973 | actual and irregular | 22-47 | 0.9056 | 0.0054 | 0.0000 | 0.0944 |
| | | moving mean | 22-47 | 0.9247 | 0.0054 | 0.0000 | 0.0753 |
| | 1977 | actual and irregular | 25-40 | 0.8054 | 0.0135 | 0.0002 | 0.1946 |
| | | moving mean | 25-40 | 0.7946 | 0.0148 | 0.0002 | 0.2054 |
| Branson's Lodge | 1972-73[c] | actual and irregular | 20-48 | 0.8923 | 0.0098 | 0.0001 | 0.1077 |
| | | moving mean | 20-48 | 0.8918 | 0.0074 | 0.0001 | 0.1082 |
| | 1974 | actual and irregular | 22-40 | 0.8433 | 0.0170 | 0.0003 | 0.1567 |
| | | moving mean | 22-40 | 0.8876 | 0.0119 | 0.0001 | 0.1124 |
| | 1978 | actual and irregular | 28-42 | 0.8101 | 0.0157 | 0.0003 | 0.1899 |
| | | moving mean | 28-42 | 0.8064 | 0.0119 | 0.0001 | 0.1936 |
| Great Slave Lake Lodge | 1972 | actual and irregular | 20-33 | 0.7063 | 0.0139 | 0.0002 | 0.2937 |
| | | moving mean | 20-33 | 0.6923 | 0.0154 | 0.0002 | 0.3077 |
| | 1973 | actual and irregular | 12-23 | 0.9061 | 0.0083 | 0.0001 | 0.0939 |
| | | moving mean | 12-23 | 0.8161 | 0.0087 | 0.0001 | 0.1839 |
| | 1974 | actual and irregular | 16-30 | 0.8229 | 0.0098 | 0.0001 | 0.1771 |
| | | moving mean | 16-30 | 0.8227 | 0.0103 | 0.0001 | 0.1773 |
| | 1977 | actual and irregular | 15-30 | 0.7964 | 0.0109 | 0.0001 | 0.2036 |
| | | moving mean | 15-30 | 0.7967 | 0.0115 | 0.0001 | 0.2033 |
| Arctic Star Lodge | 1978 | actual and irregular | 19-38 | 0.8351 | 0.0101 | 0.0001 | 0.1649 |
| | | moving mean | 19-38 | 0.8302 | 0.0072 | 0.0001 | 0.1698 |

[a] The true or actual number frequency at each age-class.

[b] Mean number frequency of two successive age-classes.

[c] Sample combined for 1972 and 1973.

Table 50. Summary of biological data for lake trout at four lodges on Great Bear and Great Slave lakes, 1972-78.

| Lake/Lodge | Year | Creel Sampled Data[a] | | | | | | Trophy Data | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Fish | Mean Age (yr) | Mean Fork Length(mm) | Mean Weight(g) | Females %Mature | Mortality Rate(%) | No. of Fish | Mean Age (yr) | Mean Fork Length(mm) | Mean Weight(g) |
| GREAT BEAR LAKE | | | | | | | | | | | |
| Great Bear Lake Lodge (Plummer's) | 1972 | 561 | 24.2 | 675 | 3617 | - | 28.7 | - | - | - | - |
| | 1973 | 509 | 26.8 | 664 | 3419 | 48 | 9.5 | - | - | - | - |
| | 1977 | 326 | 25.3 | 671 | 3828 | 38 | 20.5 | 17[b] | 39.8 | 1038 | 12979 |
| Branson's Lodge | 1972-73 | 275 | 23.3 | 624 | 2764 | 45 | 10.8 | - | - | - | - |
| | 1974 | 210 | 23.0 | 632 | 3216 | - | 11.2 | - | - | - | - |
| | 1978 | 318 | 26.8 | 662 | 3727 | 32 | 19.4 | 29 | - | 982 | 11532 |
| GREAT SLAVE LAKE | | | | | | | | | | | |
| Great Slave Lake Lodge (Plummer's) | 1972 | 916 | 17.7 | 687 | 5826 | - | 31.8 | - | - | - | - |
| | 1973 | 491 | 16.1 | 605 | 3190 | 25 | 19.6 | - | - | - | - |
| | 1974 | 636 | 17.3 | 641 | 3414 | - | 17.7 | - | - | - | - |
| | 1977 | 454 | 17.0 | 627 | 3292 | 37 | 20.3 | 42 | - | 967 | 10969 |
| Arctic Star Lodge | 1973 | 46 | 16.5 | 567 | 2780 | 42 | - | - | - | - | - |
| | 1974 | 34 | 15.0 | 667 | 3953 | - | - | - | - | - | - |
| | 1978 | 384 | 21.4 | 631 | 3274 | 36 | 17.0 | 72 | 35.2 | 887 | 9721 |

[a] Does not include trophy data.

[b] 1976 data - obtained from Hawkins Taxidermists Ltd.

Table 51. Data on the conversion of round weights to filleted, dressed (head-on) and dressed (headless) forms of lake trout from Plummer's Great Bear Lake and Great Slave Lake lodges, 1977.

| Lodge | Form | No. of Samples | Conversion Factor[a] | % Flesh Retained from Round Weight | | |
|---|---|---|---|---|---|---|
| | | | | Mean | SD | Range |
| Great Bear Lake Lodge | Filleted | 144 | 1.70 | 41 | 8.67 | 15-59 |
| Great Slave Lake Lodge | Dressed (head-on) | 44 | 1.22 | 81 | 3.97 | 72-88 |
| | Dressed (headless) | 66 | 1.47 | 66 | 4.64 | 58-80 |
| | Filleted | 106 | 1.64 | 39 | 6.10 | 28-60 |

[a] Round weight equivalent is weight in particular form multiplied by the conversion factor.

Table 52. Comparison of standard, total and fork lengths for lake trout from Great Bear Lake (Branson's Lodge) and Great Slave Lake (Arctic Star Lodge), 1978.

| | Length Measured | No. of Fish | Length | | | Conversion Factor To Fork Length[a] |
|---|---|---|---|---|---|---|
| | | | Mean | SD | Range | |
| Great Bear Lake | Standard | 382 | 578 | 107.4 | 303-941 | 0.926 |
| | Total | 382 | 697 | 125.2 | 356-1100 | 1.117 |
| | Fork | 610 | 624 | 158.1 | 329-1200 | - |
| Great Slave Lake | Standard | 633 | 545 | 175.1 | 146-935 | 0.908 |
| | Total | 633 | 655 | 206.5 | 180-1115 | 1.091 |
| | Fork | 1138 | 600 | 157.8 | 164-1025 | - |

[a] Ratio based on comparison of means.

Table 53. Stomach contents from lake trout at Branson's Lodge (Great Bear Lake) and Arctic Star Lodge (Great Slave Lake), 1978.

| | Branson's Lodge | | Arctic Star Lodge | |
|---|---|---|---|---|
| Number of stomachs examined | 386 | | 570 | |
| Number empty | 175 (45%) | | 214 (38%) | |
| Number feeding | 211 (55%) | | 356 (62%) | |
| | Occurrence in those feeding | | Occurrence in those feeding | |
| | No. | % | No. | % |
| Fish - | | | | |
| *Coregonus artedii* - cisco | 34 | 16 | 10 | 3 |
| *Coregonus clupeaformis* - whitefish | 1 | <1 | 1 | <1 |
| Cottids - unident. sculpins | 3 | 1 | 2 | <1 |
| *Salvelinus namaycush* - lake trout | 3 | 1 | - | - |
| Fish remains - unident. | 42 | 20 | 214 | 60 |
| Invertebrates - | | | | |
| Amphipods | 19 | 9 | - | - |
| Molluscs | 2 | <1 | - | - |
| Insects - | | | | |
| Diptera (true flies - adults & larvae) | 87 | 41 | - | - |
| Hymenoptera (bees, ants etc.) | 31 | 15 | 5 | 1 |
| Lepidoptera (water moths) | 4 | 2 | 3 | <1 |
| Trichoptera (caddishfly larvae) | 4 | 2 | - | - |
| Plecoptera (stonefly larvae) | 15 | 7 | - | - |
| Coleoptera (water beetles) | 1 | <1 | - | - |
| Odonata (dragonfly larvae) | 5 | 2 | - | - |
| Unidentified remains | 33 | 16 | 160 | 45 |
| Other | | | | |
| Vegetable matter | 4 | 2 | - | - |
| Nondigestible matter (gravel) | 12 | 6 | 1 | <1 |

Table 54. Data on recaptured lake trout, tagged and released at Taltheilei Narrows - Great Slave Lake, caught by anglers and Fisheries and Oceans personnel, 1973-78.

| No. | Tagging Information | | | Recapture Information | | | | At Liberty | | Distance Moved(km) | | Total Change(±) | | Annual Increment(±) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date | Length (mm) | Weight (g) | Location | Date | Length (mm) | Weight (g) | Days | Years | Direct | By Water | Length (mm) | Weight (g) | Length (mm) | Weight (g) |
| 1 | 10/06/73 | 535 | 1800 | Big Island | 31/07/75 | - | 3632 | 781 | 2.1 | 5 | 5 | - | +1832 | - | + 916 |
| 2 | 19/06/73 | 695 | 6200 | South Island | 16/06/74 | - | - | 362 | 1.0 | 5 | 5 | - | - | - | - |
| 3 | 17/06/73 | 552 | 2000 | " | 05/08/74 | - | 2724 | 414 | 1.1 | 5 | 5 | - | + 724 | - | + 658 |
| 4 | 17/06/73 | 550 | 2000 | Taltheilei Narrows | 20/07/74 | - | - | 398 | 1.1 | 1 | 1 | - | - | - | - |
| 5 | 18/06/73 | 990 | 11650 | Big Island | 06/08/74 | - | 11824 | 414 | 1.1 | 5 | 5 | - | + 174 | - | + 158 |
| 6 | 26/06/73 | 874 | 13050 | Taltheilei Narrows | 02/07/74 | 890 | - | 371 | 1.0 | 3 | 3 | + 16 | - | +16 | - |
| 7 | 04/07/73 | 880 | 8060 | South Island | 12/07/74 | - | - | 373 | 1.0 | 5 | 5 | - | - | - | - |
| 8 | 19/07/73 | 857 | 8720 | " | 28/06/74 | - | - | 344 | 0.9 | 5 | 5 | - | - | - | - |
| 9 | 20/07/73 | 720 | 6800 | Taltheilei Narrows | 05/08/74 | 733 | 7300 | 381 | 1.0 | 1 | 1 | + 13 | + 500 | +13 | + 500 |
| 10 | 25/08/73 | 609 | 2600 | Redcliff Island | 15/03/74 | - | - | 202 | 0.6 | 32 | 62 | - | - | - | - |
| 11 | 25/08/73 | 662 | 4100 | Narrow Island | 04/02/74 | - | - | 163 | 0.5 | 51 | 53 | - | - | - | - |
| 12 | 25/08/73 | 610 | 3100 | Taltheilei Narrows | 07/08/74 | - | - | 347 | 0.9 | 1 | 1 | - | - | - | - |
| 13 | 25/08/73 | 620 | 3050 | Sulphur Point | 08/01/74 | - | - | 136 | 0.4 | 256 | 268 | - | - | - | - |
| 14 | 25/08/73 | 585 | 2600 | Et-Then Island | 11/03/74 | - | - | 198 | 0.5 | 40 | 40 | - | - | - | - |
| 15 | 20/09/73 | 810 | 6300 | Big Island | 06/08/74 | - | - | 320 | 0.9 | 5 | 5 | - | - | - | - |
| 16 | 20/09/73 | 665 | 3100 | South Island | 22/06/74 | - | - | 275 | 0.8 | 5 | 5 | - | - | - | - |
| 17 | 20/09/73 | 705 | 4300 | Reliance | 07/08/74 | - | - | 321 | 0.9 | 122 | 136 | - | - | - | - |
| 18 | 21/09/73 | 765 | 6600 | Taltheilei Narrows | 27/07/74 | - | - | 300 | 0.8 | 1 | 1 | - | - | - | - |
| 19 | 21/09/73 | 759 | 5900 | Murky Channel | 01/03/75 | - | - | 526 | 1.4 | 42 | 56 | - | - | - | - |
| 20 | 17/06/73 | 530 | 1600 | Taltheilei Narrows | 17/07/77 | 580 | 2400 | 1491 | 4.1 | 0 | 0 | + 50 | + 800 | +12 | + 200 |
| 21 | 21/06/73 | 570 | 3200 | " | 04/08/77 | 775 | 5650 | 1505 | 4.1 | 0 | 0 | +205 | +2450 | +50 | + 598 |
| 22 | 10/07/73 | 755 | 6500 | " | 27/06/77 | 780 | 7200 | 1448 | 4.0 | 1 | 1 | + 25 | + 700 | + 6 | + 175 |
| 23 | 25/08/73 | 585 | 2400 | " | 29/06/77 | 738 | 3900 | 1404 | 3.9 | 2 | 2 | +153 | +1500 | +39 | + 385 |
| 24 | 23/08/73 | - | - | - | 26/07/77 | - | 5350 | 1483 | 4.1 | - | - | - | - | - | - |
| 25 | 18/06/73 | 758 | 6200 | Taltheilei Narrows | 29/07/77 | 825 | 6850 | 1502 | 4.1 | 3 | 3 | + 67 | + 650 | +16 | + 159 |
| 26 | 27/08/73 | 832 | 8200 | " | 10/06/77 | 855 | 8900 | 1383 | 3.8 | 2 | 2 | + 23 | + 700 | + 6 | + 184 |
| 27 | 20/06/73 | - | - | - | 03/08/77 | - | - | 1505 | 4.1 | - | - | - | - | - | - |
| 28 | 21/06/73 | 680 | 4400 | Taltheilei Narrows | 21/06/73 | - | - | 0 | 0 | 2 | 2 | - | - | - | - |
| 29 | 20/09/73 | 704 | 3475 | Matonabee Point | 11/08/78 | - | - | 1786 | 4.9 | 126 | 140 | - | - | - | - |
| 30 | 11/06/73 | 925 | 11500 | Arctic Star Lodge | 10/07/78 | 942 | 10200 | 1855 | 5.1 | 80 | 80 | + 17 | -1300 | + 3 | - 255 |
| 31 | 06/06/74 | 615 | 3400 | Taltheilei Narrows | 29/07/75 | - | 3632 | 418 | 1.2 | 2 | 2 | - | + 232 | - | + 193 |
| 32 | 22/06/74 | 720 | 5300 | Shelter Bay | 22/09/74 | - | - | 92 | 0.3 | 58 | 64 | - | - | - | - |
| 33 | 06/06/74 | 705 | 5200 | Taltheilei Narrows | 12/09/74 | - | 5200 | 98 | 0.3 | 1 | 1 | - | 0 | - | 0 |
| 34 | 15/09/74 | 575 | 2200 | Sosan Island | 07/08/76 | - | 2700 | 693 | 1.9 | 25 | 25 | - | + 500 | - | + 263 |
| 35 | 10/09/74 | 815 | 6500 | South Island | 01/08/76 | - | 7400 | 691 | 1.9 | 5 | 5 | - | + 900 | - | + 474 |
| 36 | 14/09/74 | 585 | 2700 | " | 01/08/76 | - | 2700 | 695 | 1.9 | 5 | 5 | - | 0 | - | 0 |
| 37 | 12/09/74 | 755 | 5400 | Big Island | 22/07/76 | - | 7200 | 679 | 1.9 | 5 | 5 | - | +1800 | - | +1000 |
| 38 | 14/09/74 | 715 | 4700 | Grayling Gap | 06/07/76 | - | 5300 | 661 | 1.8 | 16 | 16 | - | + 600 | - | + 333 |
| 39 | 04/09/74 | 755 | 6200 | McKinlay River | 30/07/76 | - | 7900 | 695 | 1.9 | 16 | 16 | - | +1700 | - | + 895 |
| 40 | 16/06/74 | 735 | 5500 | Taltheilei Narrows | 27/06/77 | - | 6300 | 1107 | 3.0 | 1 | 1 | - | + 800 | - | + 267 |
| 41 | 15/09/74 | 585 | 3300 | " | 27/06/77 | 618 | 3500 | 1016 | 2.8 | 1 | 1 | + 33 | + 200 | +12 | + 71 |
| 42 | 10/09/74 | 588 | 2800 | " | 29/06/77 | 629 | 3200 | 1019 | 2.8 | 2 | 2 | + 41 | + 400 | +15 | + 143 |
| 43 | 22/06/74 | 695 | 5200 | Big Island | 23/07/77 | 701 | 5200 | 1127 | 3.1 | 5 | 5 | + 6 | 0 | + 2 | 0 |
| 44 | 13/09/74 | 815 | 8900 | Taltheilei Narrows | 27/07/77 | 835 | 10200 | 1248 | 3.4 | 2 | 2 | + 20 | + 300 | + 6 | + 88 |
| 45 | 15/09/74 | 545 | 2000 | Reliance | 02/08/77 | - | 3600 | 1252 | 3.4 | 122 | 128 | - | +1600 | - | + 471 |
| 46 | 29/06/74 | 775 | 5900 | McKinlay River | 10/07/78 | - | 5900 | 1472 | 4.0 | 14 | 18 | - | 0 | - | 0 |
| 47 | 10/09/74 | 930 | 10200 | Taltheilei Narrows | 06/07/78 | - | - | 1581 | 4.3 | 0 | 0 | - | - | - | - |

Table 54. Continued.

| No. | Tagging Information | | | Recapture Information | | | | At Liberty | | Distance Moved(km) | | Total Change(±) | | Annual Increment(±) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date | Length (mm) | Weight (g) | Location | Date | Length (mm) | Weight (g) | Days | Years | Direct | By Water | Length (mm) | Weight (g) | Length (mm) | Weight (g) |
| 48 | 16/07/77 | 605 | 2700 | Taltheilei Narrows | 29/07/77 | - | - | 13 | <0.1 | 1 | 1 | - | - | - | - |
| 49 | 14/07/77 | 497 | 1450 | " | 22/07/77 | - | - | 8 | <0.1 | 1 | 1 | - | - | - | - |
| 50 | 25/06/77 | 922 | 13060 | " | 02/07/77 | - | - | 7 | <0.1 | 2 | 2 | - | - | - | - |
| 51 | 24/06/77 | 863 | 7000 | " | 02/07/77 | - | - | 8 | <0.1 | 2 | 2 | - | - | - | - |
| 52 | 28/06/77 | 560 | 2100 | " | 02/07/77 | - | - | 4 | <0.1 | 1 | 1 | - | - | - | - |
| 53 | 28/06/77 | 690 | 5200 | " | 27/07/77 | 690 | 5200 | 29 | <0.1 | 2 | 2 | 0 | 0 | 0 | 0 |
| 54 | 27/06/77 | - | - | " | - | - | 8170 | - | - | 1 | 1 | - | - | - | - |
| 55 | 27/06/77 | 709 | 4850 | " | - | 666 | 3150 | - | - | 1 | 1 | - | - | - | - |
| 56 | 14/07/77 | 700 | 4350 | " | 02/08/77 | - | 4350 | 19 | <0.1 | 2 | 2 | - | 0 | - | 0 |
| 57 | 27/06/77 | 650 | 4086 | Keith Island | 16/08/77 | - | - | 50 | 0.1 | 55 | 61 | - | - | - | - |
| 58 | 23/08/77 | 898 | 10050 | Taltheilei Narrows | 11/07/78 | 932 | 10000 | 322 | 0.9 | 0 | 0 | +34 | -50 | +38 | -56 |
| 59 | 26/08/77 | 727 | 5700 | Pekanatui Point | 01/08/78 | - | - | 340 | 0.9 | 53 | 58 | - | - | - | - |
| 60 | 18/08/77 | 884 | 7500 | Taltheilei Narrows | 29/07/78 | - | - | 345 | 1.0 | 0 | 0 | - | - | - | - |
| 61 | 24/08/77 | 590 | 2600 | Blanchet Island | 15/08/78 | - | - | 356 | 1.0 | 94 | 99 | - | - | - | - |
| 62 | 04/08/77 | 736 | 4900 | Taltheilei Narrows | 25/06/78 | - | - | 325 | 0.9 | - | - | - | - | - | - |
| 63 | 26/06/77 | 675 | 4400 | " | 10/08/78 | - | - | 410 | 1.1 | - | - | - | - | - | - |
| | | | | | | | | Mean | | - | 24.2 | - | - | 16 | 270 |

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